

INDEX

JOURNAL OF GENERAL CHEMISTRY OF THE USSR

Volume 31, Nos. 1-12



JOURNAL OF GENERAL CHEMISTRY OF THE USSR

Volume 31, Nos. 1-12

(A translation of Zhurnal Obshchei Khimii)

A

Abradushkin, Yu. S.	-3366
Abramova, Z. A.	-2087
Abramovich, T. I.	-1836
Abramzon, A. A.	-3794
Abrazhanova, E. A.	-3772
Abritalin, V. L.	-2573
Abubakirov, N. K.	-1279
Abubakirov, N. K.	-1935
Abubakirov, N. K.	-2259
Afanas'eva, G. S.	-3489
Afanas'eva, Yu. A.	-1337
Agashkin, O. V.	- 794
Aizenshtat, E. L.	-2903
Akhumov, E. I.	-1661
Akimova, A. A.	- 41
Akimova, L. N.	- 678
Aksenova, V. I.	-2553
Akopyan, A. N.	-1101
Aladzheva, I. M.	-1920
Alaune, Z. B.	- 556
Al'bitskaya, V. M.	-1413
Al'bitskaya, V. M.	-1741
Al'bitskaya, V. M.	-2023
Alekseeva, L. V.	-2394
Aleksandrova, G. E.	-3085
Aleksandrov, I. V.	-3366
Aleksankin, M. M.	-2954
Alekseev, V. V.	-3203
Alekseeva, L. V.	-2719
Aliev, M. I.	- 38
Aliev, M. I.	-3405
Al'perovich, M. A.	-1245
Andreev, D. N.	-2543
Andreeva, E. N.	- 776
Andrianov, K. A.	- 209
Andrianov, K. A.	- 213
Andrianov, K. A.	- 216
Andrianov, K. A.	- 218
Andrianov, K. A.	-1213
Andrianov, K. A.	-3178
Andrianov, K. A.	-3764
Andrianov, K. A.	-3768
Andronova, L. G.	-3026
Anikeeva, A. N.	-3306
Anosov, V. I.	-1067
Antonova, A. A.	-2926

Arbuzov, A. E.	-2611
Arbuzov, B. A.	-2053
Arbuzov, B. A.	-3746
Arbuzova, I. A.	-2819
Aren, A. K.	- 109
Aren, R. S.	-1796
Arendaruk, A. P.	-2405
Arkhipova, L. I.	-2771
Arsenyuk, A. A.	-2725
Artemenko, A. I.	-2832
Aslamazyan, V. S.	-1101
Aslanov, I. A.	-3403
Astaf'eva, L. N.	-1963
Astakhin, V. V.	-3178
Aslanov, I. A.	- 38
Astakhin, V. V.	- 216
Avanesyan, M. A.	-3317
Avanesyan, M. A.	-3326
Avyagintseva, E. N.	-1324
Azarova, M. T.	-1969
Azarova, M. T.	-1974
Azanovskaya, M. M.	- 118
Azen, R. S.	- 369
Azovskaya, V. A.	-1944

B

Babayan, A. T.	- 562
Babayan, A. T.	- 752
Babayan, A. T.	- 758
Bahadur, K.	-2813
Bakanova, Z. M.	-3682
Bakanova, Z. M.	-3687
Bakhitov, M. I.	-2811
Balaev, G. A.	-1413
Balaev, G. A.	-1741
Balandin, A. A.	-1310
Balandin, A. A.	-1754
Balenkova, E. S.	-1849
Blueva, G. A.	- 132
Balyakina, M. V.	- 498
Balyakina, M. V.	-2781
Bal'yan, Kh. V.	- 32
Banashek, A.	-1370
Banashek, A.	-1374
Banashek, A.	-1378
Baranov, S. N.	- 469

Baranov, S. N.	-2233	Berlin, A. Ya.	-3537
Barbulescu, N. S.	-3787	Bezuglyi, V. D.	-2948
Bardamova, M. I.	-3006	Bláha, K.	-3250
Barich, A. G.	-1265	Bochkarev, V. N.	-3664
Barkhash, V. A.	-2390	Bogatskii, A. V.	-3100
Barkhash, V. A.	-2983	Bogdanov, G. A.	-2621
Baroni, E. E.	- 577	Bogdanov, G. A.	-2626
Baroni, E. E.	-1528	Bogdanova, N. S.	-3707
Barvinok, M. S.	- 582	Boguslavskaya, L. S.	-3206
Basamanova, V. M.	- 232	Boldyrev, B. G.	-3483
Basamanova, V. M.	-1994	Botvinik, M. M.	-3019
Batalov, A. P.	-1537	Buchkovskii, Z. F.	-2751
Batrakov, S. G.	-3330	Budovskii, É. I.	-3072
Batalov, A. P.	- 892	Bunina-Krivorukova, L. I.	-2765
Begidov, S. Kh.	-3241	Burenko, S. N.	-3716
Beilin, V. G.	-1558	Butskus, P. F.	-3393
Belanovich, M. I.	-2970	Butskus, P. F.	-3395
Belikova, N. A.	- 124	Blíznyuk, N. K.	- 164
Belikova, N. A.	-1109	Blíznyuk, N. K.	- 168
Belinskaya, R. V.	- 307	Blíznyuk, N. K.	-1260
Belotsvetov, A. V.	- 60	Blyakhman, E. M.	-2023
Belousova, M. A.	-2785	Bobovich, Ya. S.	-1417
Belov, B. I.	-2059	Bocharova, L. P.	- 776
Belov, B. I.	-2064	Bogatkov, S. V.	- 743
Belov, B. I.	-2069	Bogatskii, A. V.	-2255
Belov, I. B.	-1398	Bogdanov, S. V.	- 479
Belov, V. N.	- 616	Bogdanov, S. V.	-1789
Belov, V. N.	- 662	Bogdanova, A. V.	-1959
Belov, V. N.	-1565	Bogomol'nyi, V. Ya.	-2497
Belov, V. N.	-2163	Bogoslovskii, N. A.	-1056
Belov, V. N.	-2576	Bogush, O. F.	- 656
Belov, V. N.	-2679	Boldyrev, B. G.	-2238
Belov, V. N.	-2712	Botvinik, M. M.	- 45
Belov, V. N.	-2906	Botvinik, M. M.	-1943
Belov, V. N.	-3145	Brevnova, T. N.	-2187
Belova, R. Ya.	-1519	Bronovitskaya, V. P.	-1255
Bel'skii, I. F.	- 748	Broun, É. V.	- 616
Belyaev, V. A.	-3594	Brukev, A. B.	- 901
Belyaev, V. A.	-3599	Bubnov, Yu. N.	- 150
Belyaeva, I. N.	-1981	Bubnov, Yu. N.	- 531
Belyakova, Z. V.	-2966	Buchkovskii, Z. F.	-1930
Berezovskii, V. M.	-2587	Budagyants, M. I.	-1060
Berezovskii, V. M.	-2592	Budanov, V. M.	-2211
Berezovskii, V. M.	-2595	Budovskii, É. I.	- 934
Berezovskii, V. M.	-3371	Budovskii, É. I.	-1202
Berezovskii, V. M.	-3444	Budovskii, É. I.	-1620
Berezovskii, V. M.	-3526	Bugrova, L. V.	-2003
Berezovskii, V. M.	-3571	Bunina-Krivorukova, L. I.	- 704
Berezovskii, V. M.	-3575	Burmistrov, S. I.	-1552
Bergman, A. G.	- 331	Burmistrov, S. I.	-2539
Berkman, Ya. P.	-3431	Burmistrova, S. I.	-2743
Berlin, A. Ya.	- 948	Butskus, P. F.	- 701
Berlin, A. Ya.	-1255	Byalaya, E. I.	- 406
Berlin, A. Ya.	-2193	Bychkov, V. T.	-3785
		Bylina, G. S.	-2706

C

Chadaeva, N. A.	-3315
Ch'ai K'un	-1442
Chaman, E. S.	-2470
Chan-li, Gu	-1208
Chasnikova, S. S.	- 794
Chekmareva, I. B.	-2807
Chekmareva, I. B.	-3053
Chelpanova, L. G.	-2380
Ch'en-lieh, Yin	- 768
Ch'en-lieh, Yin	-2376
Ch'en-lieh, Yin	-3656
Cherkasova, E. M.	- 743
Cherkasova, E. M.	-1713
Chernomorskaya, I. G.	-3462
Chemushevich, L. M.	- 473
Chernyshev, E. A.	-1109
Chemyuk, I. N.	-1148
Chemyuk, I. N.	-1473
Cheshko, F. F.	- 631
Chibisov, A. K.	- 16
Chibisov, A. K.	- 323
Chih-p'ing, Chang	- 934
Chih-p'ing, Chang	-3072
Chipen, G. I.	- 818
Chirkov, A. K.	-3301
Chizhov, A. K.	-1195
Chizhov, A. K.	-3239
Chizhov, O. S.	-3218
Chun-Sen, De	-1127
Chzhi-pin, Chzhan	-1202

D

Dangyan, M. T.	-1530
Danilov, S. N.	- 426
Danilov, S. N.	-3306
Danilova, A. S.	-3531
Danilova, A. V.	-3560
Danyushevskii, Ya. L.	-3410
Dashkevich, L. B.	-1555
Dashkevich, L. B.	-1558
Dashkevich, L. B.	-3477
Dashunin, V. M.	-2906
Davydov, A. A.	-1917
Davydov, A. A.	-3420
Davydova, A. F.	-3656
Debabov, V. G.	-2803
Degutis, Yu.	-3103
Deichmeister, M. V.	-3382
Dem'yanovich, V. M.	-2839
Denisova, L. I.	-1137

Dergunov, Yu. I.	- 922
Dergunov, Yu. I.	-1598
Dergunov, Yu. I.	-3784
Derkach, G. I.	-1489
Derkach, G. I.	-2120
Derkach, G. I.	-2223
Derkach, G. I.	-2228
Derkach, G. I.	-3192
Derkach, G. I.	-3200
Derkach, G. I.	-3434
Derkach, G. I.	-3500
Derkach, N. Ya.	-1844
Detinenko, A. I.	- 686
Dianova, É. N.	-3746
Din Bei-ny	- 869
Din Vei-pi	- 501
Din Wei-pi	-2153
Dmitriev, B. A.	-3081
Dmitriev, M. A.	- 648
Dmitriev, M. A.	-1023
Dmitriev, M. A.	-1026
Dmitriev, M. A.	-1540
Dmitriev, M. A.	-2561
Dmitriev, M. A.	-2821
Dmitrieva, N. D.	-2606
Dmitrieva, V. A.	-3635
Dmitrevskaya, O. I.	- 971
Dobrosel'skaya, N. P.	-3423
Dogadkin, B. A.	-3462
Dokunikhin, N. S.	- 205
Dokunikhin, N. S.	-1803
Dokunikhin, N. S.	-1807
Dokunikhin, N. S.	-3716
Dolgaya, M. E.	-1109
Domareva, T. V.	-2270
Domareva, T. V.	-3241
Dombrovskii, A. V.	-1191
Dombrovskii, A. V.	-1774
Domnin, N. A.	-1692
Domnin, N. A.	-2582
Domnin, N. A.	-3244
Dorofeenko, G. N.	- 918
Dorokhov, V. A.	-3751
Dorskho, V. A.	-3504
Dotsev, G. V.	-1265
Drach, B. S.	- 811
Dregval', G. F.	-2223
Dreiman, É. Ya.	-3635
Drozdov, V. A.	-2888
Druzin, M. I.	- 826
Druzin, M. I.	-1216
Druzin, M. I.	-1881
Dubenko, R. G.	- 815
Dubenko, R. G.	-1547

Dubenko, R. G.	-1913
Dudykina, N. V.	- 189
Dudikova, E. D.	-2895
Dumpis, T. T.	- 841
Dunaevskaya, K. A.	- 67
Dunaevskaya, K. A.	-3155
Dunaevskaya, K. A.	-3466
Durova, O. S.	-2480
Dvorko, A. T.	-2238
D'yachenko, A. I.	-1130
D'yachkovskaya, O. S.	-3784
D'yakonov, I. A.	- 624
D'yakonov, I. A.	-3618
D'yakonov, I. A.	-3241
D'yakonov, I. A.	-3246
Dykhanov, N. N.	-2058
Dykhanov, N. N.	-2565
Dziomko, V. M.	- 67
Dziomko, V. M.	-3155
Dziomko, V. M.	-3466

E

Éfros, L. S.	-1118
Éfros, L. S.	-1123
Éfros, L. S.	-1469
Éfros, L. S.	-3726
Egorov, Ts. A.	-2298
Egorov, Ts. A.	-2306
Éidus, Ya. T.	-1227
Éidus, Ya. T.	-1576
Éltingon, I. I.	-3462
Ékkhardt, D.	-3055
Ékkhardt, D.	-3298
Elina, A. S.	- 942
Elina, A. S.	-3077
El'nitskii, A. P.	-2706
El'tekova, É. B.	-3085
El'tsov, A. V.	-1123
El'tsov, A. V.	-1469
El'tsov, A. V.	-3726
Emel'yanov, V. I.	-2823
Eremenko, T. A.	-3444
Eremenko, T. V.	-3575
Erkomaishvili, G. S.	-1713
Ermakova, M. N.	-1213
Ermakova, V. N.	- 447
Ermakova, V. N.	-2146
Erokhin, V. K.	- 678
Ershov, B. A.	-2271
Ershova, S. G.	-3382
Erusalimskii, B. L.	-2497
Erykalov, Yu. G.	- 268
Erykalov, Yu. G.	-3475
Étlis, V. S.	- 253
Étlis, V. S.	-1230

Étlis, V. S.	-1234
Étlis, V. S.	-2242
Evdakov, V. P.	-2214
Evdakov, V. P.	-3183
Evseeva, I. I.	-2091
Evstigneeva, R. P.	- 400
Evstigneeva, R. P.	- 403
Evstigneeva, R. P.	-1423
Evstigneeva, R. P.	-2042
Evstigneeva, R. P.	-2768
Evstigneeva, R. P.	-2771
Evstigneeva, R. P.	-2774

F

Fabrichnyi, B. P.	-1152
Fabrichnyi, B. P.	-1924
Fabritsy, A.	- 434
Fabritsy, A.	-1436
Fadeeva, T. M.	-2696
Faershtein, Yu. M.	-3010
Fain, V. Ya.	-1476
Faskhutdinova, R. A.	-2736
Favorskaya, T. A.	- 77
Favorskaya, T. A.	- 82
Favorskaya, T. A.	-2355
Fedorov, B. P.	- 222
Fedorov, B. P.	-3668
Fedorova, A. V.	-3273
Fedorova, G. K.	- 546
Fedorova, L. V.	-3137
Fedorova, L. V.	-3139
Fedoseev, V. M.	-3664
Fedotova, N. I.	-1067
Fel'dman, I. Kh.	- 691
Fel'dman, I. Kh.	-1977
Fel'dman, I. Kh.	-2922
Fel'dshtein, M. S.	-3462
Feller, K. L.	-1908
Ferles, M.	-3250
Feshchenko, N. G.	-1295
Fialkov, Yu. Ya.	- 641
Fialkov, Yu. A.	-3343
Fialkov, Yu. A.	-3696
Finkel'shtein, A. I.	-1046
Finkel'shtein, A. I.	-1603
Filippovich, E. I.	-2768
Filippovich, E. I.	-2774
Filitis, L. N.	-1617
Fomenko, M. G.	- 473
Frakman, N. I.	-2013
Freimanis, Ya. F.	-1820
Freimanis, Ya. F.	-1828
Fridman, S. G.	-1013
Fridman, S. G.	-3162
Fyurst, V.	-1999

G

Gaidamak, V. A.	-3180	Glushkov, R. G.	-1783
Gaidamovich, N. N.	-2370	Godovikov, N. N.	-1516
Gaidamovich, N. N.	-3656	Gol'dfarb, Ya. L.	- 567
Gakhokhidze, A. M.	-1623	Gol'dfarb, Ya. L.	-1152
Galiulina, R. F.	-2016	Gol'dfarb, Ya. L.	-1924
Galiulina, R. F.	-2187	Gol'dfarb, Ya. L.	-3410
Galstukhova, N. B.	-1007	Gol'dfarb, Ya. L.	-3668
Galust'yan, G. G.	- 485	Gol'dovskii, A. E.	-2421
Ganushchak, N. I.	-1191	Gol'mov, V. I.	-1332
Ganushchak, N. I.	-1774	Gol'mov, V. P.	- 613
Garaeva, Sh. V.	- 38	Golodnikov, G. V.	-3489
Garaeva, Sh. V.	-3405	Golodnikov, G. V.	-3492
Garif'yanov, N. S.	-1070	Golovchinskaya, E. S.	-2470
Garkusha, G. A.	- 115	Golovnya, R. V.	- 987
Garkusha, G. A.	-2400	Gol'tsova, R. G.	-2205
Gamovskii, A. D.	- 106	Gol'tsova, R. G.	-2208
Gamovskii, A. D.	-1817	Gol'tsova, R. G.	-2549
Garus, L. I.	-2704	Gol'tsova, R. G.	-2962
Gatilov, Yu. F.	-2685	Golub', D. K.	-3162
Gatilov, Yu. F.	-1724	Golubkin, L. N.	- 833
Gavrilov, N. I.	- 41	Golubtsov, S. A.	-2966
Gavrilov, N. I.	- 678	Golubva, G.	-3014
Gavrilova, A. I.	-2867	Gonadze, G. M.	-1718
Gavrilova, A. I.	-2872	Gonsovskaya, T. B.	- 665
Gavrilova, L. A.	-2048	Gorbenko, E. F.	- 815
Gazieva, G. B.	-3737	Gordeeva, L. E.	-1456
Gefter, E. L.	- 876	Gorelik, M. V.	-1118
Gefter, E. L.	- 880	Gorelova, S. A.	-2238
Gefter, E. L.	- 883	Gorovich, M. B.	-1279
Gefter, E. L.	-3093	Gorshenina, G. K.	-3019
Gefter, E. L.	-3408	Gortinskaya, T. V.	-1382
Gegelyan, Zh. G.	- 562	Gorushkina, G. I.	-3668
Geller, B. A.	-1568	Goryachuk, N. A.	-2255
Gembitskii, P. A.	- 762	Goryaev, M. I.	- 594
Gembitskii, P. A.	-1096	Grabenko, A. D.	-2557
Gembitskii, P. A.	-3242	Gracheva, R. A.	- 203
Getasimenko, Yu. E.	- 205	Gracheva, R. A.	-2634
Gerasimenko, Yu. E.	-1803	Gragerov, I. P.	-1029
Gerasimenko, Yu. E.	-1807	Gragerov, I. P.	-1836
Gerasimova, T. N.	-1500	Gragerov, I. P.	-2954
Gerasimova, T. N.	-3115	Grandberg, I. I.	- 121
Ginsburg, V. A.	-1405	Grandberg, I. I.	- 501
Ginzburg, O. F.	- 73	Grandberg, I. I.	- 505
Ginzburg, O. F.	-1127	Grandberg, I. I.	- 869
Gitis, S. S.	-2704	Grandberg, I. I.	-1765
Gitis, S. S.	-3168	Grandberg, I. I.	-1770
Gladstein, B. M.	- 787	Grandberg, I. I.	-2149
Glaz, A. I.	-2704	Grandberg, I. I.	-2153
Glazunova, E. M.	- 85	Grandberg, I. I.	-2605
Glebovskaya, N. S.	-3244	Grandberg, I. I.	-3454
Glibin, E. N.	-1469	Grazerov, I. P.	-3615
Glushkov, R. G.	- 177	Grekov, A. P.	- 369
Glushkov, R. G.	-1085	Grekov, A. P.	-1037
		Grekov, A. P.	-1796
		Grekov, A. P.	-3743

Kaz'min, S. D.	-2958	Khua-min', Khuan	-3239
Keller, R. E.	-1729	Khudekel', M. L.	-1310
Keller, R. E.	-3004	Khutomenko, G. A.	- 115
Kerop'yan, M. P.	-3077	Khutomenko, G. A.	-2400
Khafizova, N. A.	-1890	Khydyrov, D. N.	-3641
Khaletskii, A. M.	- 350	Kikot', B. S.	- 286
Khaletskii, A. M.	- 675	Kiprianov, A. I.	- 488
Khaletskii, A. M.	-1003	Kiprianov, A. I.	- 716
Khaletskii, A. M.	-2337	Kiprianov, A. I.	- 721
Khaletskii, A. M.	-2344	Kiprianov, A. I.	-1236
Khaletskii, A. M.	-2347	Kiprianov, A. I.	-1586
Khaletskii, A. M.	-2351	Kiprianov, A. I.	-2849
Khaletskii, A. M.	-2794	Kiprianov, A. I.	-3661
Khaletskii, A. M.	-2798	Kireev, V. V.	-2895
Khaletskii, A. M.	-2801	Kirilov, M.	-1897
Khananashvili, L. M.	- 209	Kirilov, M.	-1902
Khananashvili, L. M.	- 213	Kirilov, M.	-3350
Kharitonovich, A. N.	- 118	Kirillova, K. M.	-2078
Kharlamova, E. N.	-3085	Kirsanov, A. V.	- 197
Kharrasova, F. M.	-3311	Kirsanov, A. V.	- 535
Khaskin, B. A.	-3361	Kirsanov, A. V.	- 546
Khidekel', M. L.	-1754	Kirsanov, A. V.	- 551
Kheifets, G. M.	- 691	Kirsanov, A. V.	- 961
Kheifits, L. A.	- 616	Kirsanov, A. V.	-1295
Kheifits, L. A.	- 662	Kirsanov, A. V.	-1489
Kheruze, Yu. I.	- 389	Kirsanov, A. V.	-1493
Kheruze, Yu. I.	- 708	Kirsanov, A. V.	-1496
Kheruze, Yu. I.	-2386	Kirsanov, A. V.	-2120
Khistrov, A. P.	-3680	Kirsanov, A. V.	-2218
Khmelevskii, V. I.	-2910	Kirsanov, A. V.	-2223
Khmel'nitskii, R. A.	- 789	Kirsanov, A. V.	-2228
Khodyreva, M. S.	-1727	Kirsanov, A. V.	-2854
Khokhlov, D. N.	- 728	Kirsanov, A. V.	-3192
Khokhlov, D. N.	-2633	Kirsanov, A. V.	-3200
Khomutov, R. M.	- 934	Kirsanov, A. V.	-3434
Khomutov, R. M.	-1863	Kirsanov, A. V.	-3440
Khomutova, E. D.	-3645	Kirsanov, A. V.	-3495
Khorkhoyanu, L. V.	-2692	Kirsanov, A. V.	-3500
Khorkhoyanu, L. V.	-2876	Kirsanov, A. V.	-3723
Khorlin, Ya. A.	- 607	Kiselev, V. V.	- 305
Khorlin, A. Ya.	-1708	Kiseleva, I. G.	-3784
Khorlin, A. Ya.	-3218	Kleev, B. V.	-2421
Khorlina, I. M.	-3088	Kletenik, Yu. B.	- 651
Khovalko, L. M.	-3483	Kletenik, Yu. B.	-2285
Khristulas, F. S.	-1279	Klimko, V. T.	- 159
Khristulas, F. S.	-1935	Kobrina, L. S.	-1172
Khromov-Borisov, N. V.	-1357	Kochergin, P. M.	- 172
Khromov-Borisov, N. V.	-1362	Kochergin, P. M.	-1010
Khromov-Borisov, N. V.	-1367	Kochergin, P. M.	-3039
Khromov-Borisov, N. V.	-1965	Kochergin, P. M.	-3043
Khromov-Borisov, N. V.	-2048	Kochergin, P. M.	-3048
Khromov-Borisov, N. V.	-2110	Kochetkov, N. K.	- 189
Khromov-Borisov, N. V.	-2116	Kochetkov, N. K.	- 192
Khromov-Borisov, N. V.	-2430	Kochetkov, N. K.	- 607
Khromov, S. I.	-1849	Kochetkov, N. K.	- 853

Kochetkov, N. K.	- 858	Korotchenko, N. A.	-2621
Kochetkov, N. K.	- 934	Korotchenko, N. A.	-2626
Kochetkov, N. K.	-1202	Korotkova, V. P.	-2867
Kochetkov, N. K.	-1620	Korotkova, V. P.	-2872
Kochetkov, N. K.	-1708	Korshunov, I. A.	- 892
Kochetkov, N. K.	-1711	Korshunov, L. A.	- 976
Kochetkov, N. K.	-2167	Korshunov, L. A.	- 982
Kochetkov, N. K.	-3072	Korshunov, L. A.	-1537
Kochetkov, N. K.	-3081	Kost, A. N.	- 121
Kochetkov, N. K.	-3218	Kost, A. N.	- 501
Kochetkov, N. K.	-3225	Kost, A. N.	- 869
Kochetkov, N. K.	-3645	Kost, A. N.	-1765
Kochetkova, V. I.	-2475	Kost, A. N.	-1770
Kochkin, D. A.	-2807	Kost, A. N.	-2153
Kochkin, D. A.	-3178	Kost, A. N.	-3454
Kokoreva, I. Yu.	- 334	Kostenko, L. D.	-2929
Kokot', B. S.	-2751	Kostenko, V. G.	-2929
Kolsharova, L. M.	-1943	Kostin, V. N.	- 762
Kolesnik, Yu. A.	- 286	Kostin, V. N.	-1096
Kolesnik, Yu. A.	-3213	Kostin, V. N.	-1704
Kolesnikov, D. G.	-1283	Kostova, A. G.	-3427
Kolinskii, R. Ch.	-1682	Kostromina, O. E.	-1350
Kolinskii, R. Ch.	-2582	Kostrykina, A. G.	-2892
Kolomiets, A. F.	- 168	Kostova, A. G.	-2091
Komagorov, A. M.	-3106	Kostyanovskii, R. G.	-1298
Komarov, N. V.	-1963	Kotlyarevskii, I. L.	-1186
Komarov, N. V.	-2333	Kotlyarevskii, I. L.	-2991
Komendantov, M. I.	- 624	Kovyrazina, K. A.	- 577
Komendantov, M. I.	-3246	Kovyrazina, K. A.	-1528
Komendantov, M. I.	-3618	Kozarenko, T. D.	-2803
Kondrat'eva, G. V.	-3377	Kozhina, I. S.	-3531
Kondrat'eva, G. V.	-3449	Kozlov, E. S.	-2218
Kondrat'eva, G. V.	-3719	Kozlov, L. V.	-2535
Kondrat'eva, G. Ya.	-1301	Kozlov, N. S.	- 454
Konokotina, A. I.	-2246	Kozlov, N. S.	-2084
Konovalova, I. V.	-1580	Kozlov, N. S.	-2087
Konovalova, I. V.	-2480	Kozlov, N. S.	-3629
Konshin, M. E.	-1727	Kozlov, V. V.	-1917
Konyukhov, V. N.	-2715	Kozlov, V. V.	-2059
Koptyug, V. A.	-1500	Kozlov, V. V.	-2064
Koptyug, V. A.	-3106	Kozlov, V. V.	-2069
Koptyug, V. A.	-3115	Kozlov, V. V.	-2485
Koptyug, V. A.	-3754	Kozlov, V. V.	-2826
Koretskaya, N. I.	-3560	Kozlov, V. V.	-2829
Korichev, G. L.	- 624	Kozlov, V. V.	-3213
Kormer, V. A.	-1049	Kozlov, V. V.	-3420
Kormer, V. A.	-1407	Kozlova, Kh. R.	-2723
Komilov, M. Yu.	-1586	Kozlova, V. I.	- 501
Korobitsyna, I. K.	- 768	Kozhevnikov, S. P.	-1362
Korobitsyna, I. K.	-1991	Kozhevnikov, S. P.	-2728
Korobitsyna, I. K.	-2370	Kozyrkin, B. I.	-1109
Korobitsyna, I. K.	-2376	Krakovtseva, G. E.	-2743
Korobitsyna, I. K.	-3656	Krasnokutskaya, D. M.	-2977
Korobkov, V. S.	-2922	Krasnova, T. L.	-1109
Koroleva, G. N.	-3492	Krasovitskii, B. M.	-2104

Krasovitskii, B. M.	-2107	Kukhtin, V. A.	-1460
Kreshkov, A. P.	-1999	Kukhtin, V. A.	-1621
Kreshkov, A. P.	-2888	Kukhtin, V. A.	-2078
Kretov, A. E.	- 71	Kulev, L. P.	-1275
Kretov, A. E.	-1093	Kulikova, G. N.	-1345
Kretov, A. E.	-1871	Kuntsevich, A. D.	- 473
Kretov, A. E.	-2412	Kupin, B. S.	-2758
Kretov, A. E.	-2415	Kupletskaya, N. B.	- 286
Kretov, A. E.	-2682	Kuprik, V. S.	- 582
Kretov, A. E.	-2688	Kuranova, I. L.	-2928
Kretov, A. E.	-3651	Kurdyukova, E. M.	-3537
Kretov, A. E.	-3772	Kurdyumova, T. N.	-1456
Kriven'ko, A. P.	- 886	Kurov, V. I.	- 13
Krivko, L. N.	-1429	Kursanov, A. V.	-1841
Krivosheina, I. K.	-2595	Kursanov, A. V.	-1844
Krizhechkovskaya, N. I.	-1130	Kuskov, V. K.	- 55
Krizhechkovskaya, N. I.	-1134	Kuskov, V. K.	-2235
Krizhechkovskaya, N. I.	-1561	Kuskov, V. K.	-2892
Kromov-Borisov, N. V.	-2728	Kustol, D. M.	-1542
Kropacheva, A. A.	- 957	Kutenov, D. F.	-2633
Kropacheva, A. A.	-1489	Kutepov, D. F.	- 728
Kropacheva, A. A.	-2274	Kuvaeva, E. N.	-1555
Kropacheva, A. A.	-3357	Kuznetsov, E. V.	-2809
Krotov, A. I.	-3707	Kuznetsov, E. V.	-2811
Kruglikova, R. I.	-1078	Kuznetsov, S. G.	-1000
Kruglyak, L. P.	-2425	Kuznetsov, S. G.	-2127
Krupatkin, I. L.	-3248	Kuznetsov, S. G.	-2133
Krupnov, G. P.	-3782	Kuznetsov, S. G.	-2449
Kruzement-Prikhod'ko, V. V.	-2228	Kuznetsov, S. G.	-2845
Krysin, E. P.	-3565	Kuznetsov, S. G.	-3126
Kryuchkova, V. G.	- 338	Kuznetsov, S. G.	-3132
Kryuchkova, V. G.	- 670	Kuznetsov, S. G.	-3137
Kubalya, I.	- 434	Kuznetsov, S. G.	-3139
Kubiak, S.	-2888	Kuznetsova, G. A.	- 295
Kucher, R. V.	-2958	Kuznetsova, G. A.	-3563
Kucherov, V. F.	- 408	Kuznetsova, V. P.	-2333
Kucherov, V. F.	- 416	Kuzovkov, A. D.	-1286
Kucherov, V. F.	- 731	Kyl'chinskaya, N. E.	-2415
Kucherov, V. F.	- 738	Kyz'mina, H. A.	-2900
Kucherov, V. F.	-2639		
Kucherov, V. F.	-2696		
Kucherov, V. F.	-3674		
Kucherova, N. F.	- 853		
Kucherova, N. F.	- 858		
Kudryashov, L. I.	-1711		
Kudryashov, L. I.	-3081		
Kudryashov, L. I.	-3645		
Kudryashova, N. I.	-2110		
Kudryavtsev, G. I.	-2096		
Kudryavtseva, L. F.	-3377		
Kudryavtseva, L. F.	-3449		
Kugatova, G. P.	- 556		
Kukhmin, V. A.	- 452		
Kukhtin, V. A.	-1070		
Kukhtin, V. A.	-1440		

Malevannaya, Z. P.	-1332	Mel'nikov, N. N.	-3687
Malinovskii, M. S.	-3203	Mel'nikova, I. A.	-2146
Malke, L. Ya.	- 516	Mel'nikova, L. M.	-3571
Malke, L. Ya.	-3170	Men'shikov, G. B.	-2249
Mal'nev, A. F.	-2415	Men'shikov, G. P.	- 639
Mal'tseva, N. I.	-2107	Mezentsova, N. N.	-1341
Malyugina, N. I.	- 982	Mikhailenko, F. A.	- 716
Mamaev, V. P.	-3068	Mikhailenko, F. A.	- 721
Mamedov, Shamkhal	-3317	Mikhailenko, F. A.	-1236
Mamedov, Shamkhal	-3321	Mikhailov, B. M.	- 150
Mamedov, Shamkhal	-3326	Mikhailov, B. M.	- 156
Mamedov, Shamkhal	-3641	Mikhailov, B. M.	- 528
Mamyuzhina, L. G.	- 954	Mikhailov, B. M.	- 531
Manasyan, N. G.	-1176	Mikhailov, B. M.	-3504
Manasyan, N. G.	-2273	Mikhailov, B. M.	-3751
Mandel'baum, Ya. A.	- 781	Mikhailova, E. A.	-1301
Mandel'baum, Ya. A.	-3682	Mikhailova, N. V.	-3382
Mandel'baum, Ya. A.	-3684	Mikhailova, V. N.	-1977
Mandel'baum, Ya. A.	-3687	Mikhalevich, K. N.	- 802
Mandrosova, F. M.	-2096	Mikhant'ev, B. I.	-1723
Mansurov, I. Yu.	- 164	Mikhant'ev, B. I.	-2843
Manulkin, Z. M.	-3510	Mikhant'ev, B. I.	-3399
Marenets, M. S.	-1493	Mikhant'ev, V. B.	-2843
Marenets, M. S.	-1496	Mikhant'ev, V. I.	-2580
Maretina, I. A.	- 380	Mikheeva, N. N.	- 101
Maretina, I. A.	-1299	Mikhlina, E. E.	-2435
Maretina, I. A.	-1731	Mikhlina, E. E.	-3033
Maretina, I. A.	-3283	Miklashevskaya, V. S.	-2018
Marinova, G. V.	-1991	Milovanova, S. N.	-3707
Markaryan, E. A.	-2042	Mil'shtein, I. M.	-2639
Markov, V. I.	-1552	Mil'shtein, I. M.	-3674
Markov, V. I.	-2743	Milyutkina, V. P.	-1067
Markushina, I. A.	- 511	Mingaleva, K. S.	-3283
Martirosyan, G. T.	- 752	Mingaleva, K. S.	-3286
Martirosyan, G. T.	- 758	Minlibaeva, A. N.	-1890
Martynov, V. F.	-1398	Miropol'skaya, M. A.	-1067
Martynov, V. F.	-1688	Miroshnichenko, L. D.	-2774
Maslenkova, N. P.	- 886	Mishchenko, K. P.	-1628
Maslennikova, V. A.	-1935	Mitrofanova, E. V.	-2180
Mastryukova, T. A.	- 132	Mitrofanova, E. V.	-2183
Mastryukova, T. A.	- 464	Mitrofanova, T. K.	-2034
Matevosyan, R. O.	-3301	Mitrofanova, T. K.	-2783
Matskevich, R. M.	-2107	Mitrushkina, L. I.	-2046
Matveev, I. S.	-2688	Mochalin, V. B.	-3632
Matveeva, Z. M.	-1886	Mogilyanskii, Ya. D.	- 298
Mazurek, V. V.	- 582	Moiseeva, Z. Z.	-3716
Medvedeva, G. P.	-2475	Mokhir, I. A.	-3330
Melent'eva, T. A.	- 132	Mokhir, I. A.	-3336
Mel'nikov, N. N.	- 456	Mokhova, A. P.	-1460
Mel'nikov, N. N.	- 776	Moldaver, B. L.	-1449
Mel'nikov, N. N.	- 781	Moldaver, B. L.	-3541
Mel'nikov, N. N.	- 784	Molodtsov, N. V.	-3645
Mel'nikov, N. N.	-3361	Momsenko, A. P.	- 71
Mel'nikov, N. N.	-3682	Momsenko, A. P.	-1871
Mel'nikov, N. N.	-3684	Momsenko, A. P.	-3651

Mondodoev, G. T.	-2163
Mondodoev, G. T.	-3145
Morozova, E. A.	- 48
Morozova, M. P.	-1657
Morozovskaya, L. M.	- 864
Mosevich, I. K.	-2819
Moshkin, P. A.	-3408
Moshkina, P. A.	-3759
Moshkovskii, Yu. Sh.	-3387
Mostoslavskii, M. A.	- 21
Mostoslavskii, M. A.	-3582
Motsarev, G. V.	-1874
Mozolis, V. V.	- 556
Mukhina, L. E.	-2274
Mukhina, R. G.	-3732
Murasheva, V. S.	-3469
Muratova, G. L.	-2531
Mushkalo, L. K.	-2861
Muzhina, L. E.	- 957
Myratova, G. L.	- 945
Myuller, R. L.	-2290
Myuller, R. L.	-2294

N

Naboka, N. F.	-1810
Nametkin, N. S.	-1208
Naumov, Yu. A.	- 55
Naumov, Yu. A.	-1245
Naumova, A. S.	-3264
Nazarova, L. M.	-1034
Nazarova, L. M.	-3085
Nazarova, Z. N.	- 243
Negoroshkova, N. A.	- 452
Nelland, O. Ya.	- 137
Neimysheva, A. A.	-1265
Neimysheva, P.	- 473
Nemirov, G. V.	-2941
Nemirovskii, V. D.	-2380
Nemtsov, M. S.	-3594
Nemtsov, M. S.	-3599
Nesmeyanov, A. N.	- 987
Nesterov, L. V.	- 829
Nesterov, L. V.	-2198
Nesynov, E. P.	-1037
Nevskaya, Yu.	- 309
Nevskaya, Yu.	- 313
Nifant'ev, É. E.	-1592
Nifant'ev, É. E.	-1596
Nifant'ev, É. E.	-2205
Nifant'ev, É. E.	-2208
Nifant'ev, É. E.	-2211
Nifant'ev, É. E.	-2214
Nifant'ev, É. E.	-2549
Nifant'ev, É. E.	-2692
Nifant'ev, É. E.	-2876

Nifant'ev, É. E.	-2962
Nikitchenko, V. M.	-2651
Nikitin, V. I.	- 85
Nikitin, V. I.	-2382
Nikitin, V. I.	-2366
Nikitin, N. L.	-3589
Nikitina, R. F.	-1592
Nikitskaya, E. S.	-2988
Nikolaev, A. D.	-3629
Nikolaev, V. S.	-1947
Nikolaeva, A. D.	-1947
Nikolaeva, L. F.	- 303
Nikolenko, L. N.	-1172
Nikonov, G. K.	- 279
Nogaideli, A. I.	-1718
Novikov, V. N.	- 243
Novitskii, K. Yu.	- 129
Novitskii, K. Yu.	- 494
Novitskii, K. Yu.	-1337
Novitskii, K. Yu.	-3058
Nurmakova, A. K.	-3257

O

Obeshchalova, N. V.	-2582
Obukhova, E. M.	-1478
Obukhova, E. M.	-1484
Obukhova, E. M.	-2512
Obukhova, E. M.	-2522
Odinets, V. A.	-3764
Oglobin, K. A.	-2275
Okhlobystin, O. Yu.	-3417
Ol'dekop, Yu. A.	- 118
Ol'dekop, Yu. A.	-2706
Oleinik, A. F.	-1337
Ol'man, G.	-1688
Opanasenko, E. P.	-1141
Orehova, K. M.	-1070
Orlova, É. K.	- 523
Orlova, G. M.	-2290
Orlova, G. M.	-2294
Orlova, T. I.	-3306
Osadchaya, R. A.	-2700
Osanova, N. A.	-2190
Osipov, O. A.	- 651
Osipov, O. A.	-1639
Osipov, O. A.	-2285
Osipov, O. A.	-2941
Osipov, O. A.	-3268
Osipova, N. A.	-1664
Ostoslavskaya, V. I.	- 45
Ostoslavskaya, V. I.	-3019
Ostrovskii, M. V.	-3794
Otroshchenko, O. S.	- 621
Otten, V. F.	-1400
Ovchinnikov, Zh. D.	-3469

Ovchinnikova, G. A.
Ovchinnikova, Z. N.
Ovchinnikova, Zh. D.

-1897
-1324
-2174

P

Pak, V. D.
Pakanaev, Ya. I.
Palagina, I. V.
Palagina, I. V.
Palagina, I. V.
Pal't, V. A.
Panina, M. A.
Panina, M. A.
Parshina, V. A.
Parshina, V. A.
Parshina, V. A.
Parshina, V. A.
Parshina, V. A.
Pashkevich, Yu. M.
Patrikeev, V. V.
Patrikeev, V. V.
Pavlov, L. N.
Pavlov, L. P.
Pavlova, L. A.
Pel'kis, P. S.
Pel'kis, P. S.
Pel'kis, P. S.
Pel'kis, P. S.
Pel'kis, P. S.
Pentin, Yu. A.
Fentin, Yu. A.
Pentin, Yu. A.
Perekalin, V. V.
Perekalin, V. V.
Perekalin, V. V.
Perekalin, V. V.
Pereplechikova, E. M.
Peretyazhko, M. Z.
Perevoshchikov, V. A.
Pershin, G. N.
Persianova, I. V.
Pecin, V. G.
Pecin, V. G.
Pecin, V. G.
Pecin, V. G.
Pecin, V. G.
Pecin, V. G.
Pecin, V. G.
Petrov, A. A.
Petrov, A. A.
Petrov, A. A.
Petrov, A. A.
Petrov, A. A.
Petrov, A. A.
Petrov, A. A.

- 454
-2263
- 826
-1216
-1881
-2723
-2941
-3268
- 957
-2547
-3180
-3186
-3189
-3472
-1310
-1754
-2058
-3399
-1063
- 815
-1509
-1547
-1913
-2557
-3480
- 16
- 323
-1955
-1417
-1836
-2027
-2031
-1905
-3480
-1952
-3707
- 662
-2337
-2344
-2347
-2351
-2798
-2801
- 373
- 380
- 389
- 393
- 704
- 708
-1049

Petrov, A. A.
Petrov, A. A.
Petrov, A. A.
Petrov, A. A.
Petrov, A. A.
Petrov, A. A.
Petrov, A. A.
Petrov, A. A.
Petrov, A. A.
Petrov, A. A.
Petrov, A. A.
Petrov, A. A.
Petrov, A. A.
Petrov, A. A.
Petrov, A. D.
Petrov, A. D.
Petrov, K. A.
Petrov, K. A.
Petrov, K. A.
Petrov, K. A.
Petrov, K. A.
Petrov, K. A.
Petrov, K. A.
Petrov, K. A.
Petrov, K. A.
Petrov, K. A.
Petrov, K. A.
Petrov, K. A.
Petrov, K. A.
Petrov, K. A.
Petrov, K. A.
Petrov, K. A.
Petrov, K. A.
Petrov, K. A.
Petrov, K. A.
Petrov, K. A.
Petrova, M. F.
Petrova, G. S.
Petruchenko, M. I.
Petrun'kin, V. E.
Petukhov, G. G.
Petukhov, G. G.
Petukhov, G. G.
Petukhov, G. G.
Petukhov, G. G.
Petukhov, G. G.
Petukhov, G. G.
Petukhova, K. K.

-1053
-1299
-1407
-1413
-1731
-1735
-1741
-2018
-2023
-2268
-2380
-2386
-2758
-2765
-2930
-3273
-3278
-3283
-3286
-1109
-3014
- 164
- 168
- 473
-1280
-1285
-1592
-1596
-2205
-2208
-2211
-2214
-2547
-2549
-2692
-2823
-2867
-2872
-2876
-2962
-3180
-3183
-3186
-3189
-2249
-1161
- 858
-2101
- 248
-2016
-2180
-2183
-2187
-2190
-1664

Petyunin, P. A.	-1727	Postovskii, I. Ya.	- 357
Pichugina, E.	-1535	Postovskii, I. Ya.	- 363
Pigulevskii, G. V.	- 295	Postnikova, G. B.	-1902
Pigulevskii, G. V.	- 601	Potapov, V. M.	- 927
Pigulevskii, G. V.	- 605	Potapov, V. M.	-1606
Pigulevskii, G. V.	-2246	Potapov, V. M.	-2251
Pigulevskii, G. V.	-2928	Potapov, V. M.	-2839
Pigulevskii, G. V.	-2929	Potapov, V. M.	-3118
Pilyugin, G. T.	- 574	Potelkhin, A. A.	-2275
Pilyugin, G. T.	-1141	Povarov, L. S.	- 156
Pilyugin, G. T.	-1148	Pozharskii, A. F.	-3703
Pilyugin, G. T.	-1473	Pozharskii, F. T.	-1810
Pimenova, L. D.	- 350	Predvoditeleva, G. S.	-1387
Pimenova, L. D.	- 675	Preobrazhenskaya, E. V.	-1345
Pinegina, L. Yu.	-2084	Preobrazhenskaya, M. N.	-2646
Pines, V. G.	-1067	Preobrazhenskii, N. A.	-2034
Pirenyan, S. K.	-1176	Preobrazhenskii, N. A.	-2037
Pirenyan, S. K.	-2273	Preobrazhenskii, N. A.	-2040
Piskov, V. B.	-2739	Preobrazhenskii, N. A.	-2042
Piskunova, Zh. P.	-3168	Preobrazhenskii, N. A.	-2046
Plakhov, V. A.	-1500	Preobrazhenskii, N. A.	-2768
Plakhov, V. A.	-3754	Preobrazhenskii, N. A.	-2771
Plakidin, Val. L.	-1476	Preobrazhenskii, N. A.	-2744
Platé, A. F.	- 124	Preobrazhenskii, N. A.	-2781
Plate, A. F.	-1109	Preobrazhenskii, N. A.	-2783
Platonova, T. F.	-1286	Preobrazhenskii, N. A.	-2785
Pleshakov, M. G.	-1433	Preobrazhenskii, N. A.	-3053
Plisko, E. A.	- 426	Prib, O. A.	- 181
Plisko, E. A.	- 431	Prib, O. A.	- 811
Plisov, A. K.	-3100	Prilezhaeva, E. E.	-1944
Poddubnaya, N. A.	-2298	Prilezhaeva, E. N.	-2318
Poddubnaya, N. A.	-2306	Prilezhaeva, E. N.	-2326
Poddubnaya, N. A.	-3565	Pritula, N. A.	-1208
Podgomaya, E. A.	-1628	Prizhiyalgovskaya, N. M.	-2712
Pokrovskii, E. E.	-2497	Prizhiyalgovskaya, N. M.	-3145
Polievktov, M. I.	-3607	Prokhorov, A. B.	-1429
Polistyanko, L. L.	- 286	Prokhorova, V. A.	-2439
Polyakova, A. A.	-3278	Prokof'ev, M. A.	-1969
Polyakova, A. A.	-3789	Prokof'ev, M. A.	-1974
Polyanskaya, E. I.	- 787	Prokov'ev, M. A.	-3026
Ponomarev, A. A.	- 511	Prokof'ev, M. A.	-3635
Ponomarev, A. A.	- 886	Proskurnina, N. F.	- 282
Ponomarev, A. A.	- 897	Prostakov, N. S.	- 101
Ponomarev, A. A.	- 910	Protopova, T. V.	- 159
Ponomarev, I. F.	-1894	Protsenko, L. D.	-3200
Popa, D. P.	-1615	Prudnickenko, E. K.	-3004
Popa, D. P.	-3579	Pryanishnikova, M. A.	-1109
Popov, E. M.	-1984	Pryazhina, E. A.	-2580
Popov, E. M.	-2503	Przhiyalgovskaya, N. M.	-1565
Popov, I. F.	-2084	Przhiyalgovskaya, N. M.	-2163
Popova, I. I.	-2370	Przhiyalgovskaya, N. M.	-2576
Porfir'eva, Yu. I.	-1407	Puchin, V. A.	- 802
Porfir'eva, Yu. I.	-3286	Puchugina, E.	-1643
Poroshin, K. T.	-2803	Pudovik, A. N.	-1580
Postovskii, I. Ya.	- 352	Pudovik, A. N.	-1920

Pudovik, A. N.	-2475
Pudovik, A. N.	-2480
Pudovik, A. N.	-3759
Pudovik, A. N.	-3782
Pushchevaya, K. S.	-3014
Pushkareva, Z. V.	-1449
Pushkareva, Z. V.	-2201
Pushkareva, Z. V.	-2394
Pushkareva, Z. V.	-2715
Pushkareva, Z. V.	-2719
Pushkareva, Z. V.	-3541
Puzitskii, K. V.	-1227
Puzitskii, K. V.	-1576
Pyatnova, Yu. B.	-2783

R

Rabinovich, M. S.	-1345
Rabkina, S. M.	-1166
Rachinskii, F. Yu.	-2568
Radina, L. B.	-2201
Raguotene, N. V.	-3395
Raksha, M. A.	-3737
Raksha, M. A.	-3742
Ranneva, Yu. I.	-1317
Rat'kovskii, I. A.	-1952
Ravich, G. B.	- 656
Razumova, N. A.	-2930
Razuvaev, G. A.	- 248
Razuvaev, G. A.	- 253
Razuvaev, G. A.	- 922
Razuvaev, G. A.	-1230
Razuvaev, G. A.	-1234
Razuvaev, G. A.	-1297
Razuvaev, G. A.	-1598
Razuvaev, G. A.	-2180
Razuvaev, G. A.	-2183
Razuvaev, G. A.	-1287
Razuvaev, G. A.	-2190
Razuvaev, G. A.	-2490
Razuvaev, G. A.	-2918
Razuvaev, G. A.	-3206
Razuvaev, G. A.	-3515
Razuvay, G. A.	-3784
Razuvaev, G. A.	-3785
Reikshfel'd, V. O.	-1463
Reikshfel'd, V. O.	-2439
Rekasheva, A. F.	-1029
Remizov, A. L.	-3521
Reutov, O. A.	-1930
Reutov, O. A.	-2751
Revenko, O. M.	-1760
Rodionova, E. P.	-3444
Rogacheva, I. A.	- 883
Roginskaya, E. V.	-3132
Roikh, A. I.	-2809

Rokachevskaya, O. P.	-1078
Romanikhin, A. M.	- 437
Rozanel'skaya, N. A.	- 695
Rozanov, E. F.	-1394
Rozenberg, V. R.	-1874
Rozenshtein, S. M.	-1866
Rozhkov, I. N.	-2998
Rozhkov, I. N.	-3096
Rozum, Yu. S.	- 261
Rubstov, M. B.	-2435
Rubstov, M. V.	-2977
Rubtsov, M. V.	-2988
Rubtsov, M. V.	-3033
Rubtsov, M. V.	-3062
Rudenko, A. P.	-3423
Rudenko, N. V.	-1854
Rudkovskaya, G. D.	-2076
Rulko, F.	- 282
Rumba, G. Ya.	-3768
Ryabinin, A. A.	- 954
Ryabinin, A. A.	-2270
Ryabinin, A. A.	-3240
Ryabova, K. G.	-1576
Ryabova, T. S.	-3026
Rybakova, N. A.	-1179
Rybakova, N. A.	-1908
Rychkova, A. G.	-1729
Rzaev, A. S.	-3321
Rzheznikov, V. M.	-1423

S

Sabirova, R. A.	- 829
Sabirova, R. A.	-2198
Sablina, T. S.	-1078
Sadovaya, N. K.	-3296
Sadykov, A. S.	- 621
Sadykov, A. S.	-2263
Safonova, T. S.	-1104
Sagonov, N. V.	-3357
Saidova, F. M.	-1883
Saltykova, I. A.	-2270
Samchenko, I. P.	-1029
Samoilova, M. Ya.	-3010
Samoilova, O. I.	-2158
Samokhalov, G. I.	-1056
Samokhalov, G. I.	-1060
Samokhalov, G. I.	-1067
Samolovova, V. G.	-1382
Samosvat, L. S.	-1568
Sapozhkov, Yu. N.	- 776
Sarbaev, T. G.	-2656
Sarycheva, I. K.	-1426
Sarycheva, I. K.	-1433
Sarycheva, I. K.	-2034
Sarycheva, I. K.	-2046

Sarycheva, I. K.	- 2783	Shcherbakova, L. I.	-2425
Savchuk, E. K.	- 181	Shchukarev, S. A.	-1657
Savich, I. G.	- 1053	Shchukarev, S. A.	-1952
Savitskaya, N. V.	- 938	Shchukina, L. A.	-2835
Savitskaya, N. V.	-1801	Shchukina, M. N.	-1007
Savitskaya, N. V.	-3037	Shchukina, M. N.	-1370
Savostenok, V. A.	-1260	Shchukina, M. N.	-1374
Savostin, A. M.	-1067	Shchukina, M. N.	-1378
Sedavkina, V. A.	- 910	Shchukina, M. N.	-1382
Selezneva, N. A.	- 52	Shchukina, M. N.	-1387
Semenov, G. A.	- 591	Shchukina, M. N.	-1390
Semenov, G. A.	-1952	Shchukina, M. N.	-1801
Semenov, G. I.	- 582	Shchukina, M. N.	-2158
Senchenkova, T. M.	-1711	Shchukina, M. N.	-2444
Serebrennikova, G. A.	-1426	Shchukina, M. N.	-3037
Serebrennikova, G. A.	-2046	Shebanova, M. P.	- 303
Serebrennikova, G. A.	-2783	Shebanova, M. P.	-3149
Serebryakova, A. P.	-1617	Sheinker, Yu. N.	-2174
Sergeeva, A. N.	- 802	Shelakova, I. D.	-3780
Sergeeva, L. N.	-3183	Shelomov, I. K.	-2941
Sergeeva, V. F.	-2279	Sheludyakov, V. D.	-3149
Sergeeva, V. F.	-2282	Shenin, Yu. D.	-2928
Sergeeva, Z. I.	-1886	Shesterova, A. A.	-1275
Sergievskaia, S. I.	- 146	Shestov, A. P.	-1664
Sergievskaia, S. I.	-1104	Shevchenko, V. I.	-2854
Sergievskaia, S. I.	-1195	Shevchenko, Z. A.	-2355
Serkova, V. I.	-2926	Shibnev, V. A.	-2803
Sevchenko, A. N.	-2706	Shibryaeva, L. S.	- 479
Shabarov, Yu. S.	- 341	Shikanova, I. V.	-1130
Shabarov, Yu. S.	-1693	Shikhiev, I. A.	- 38
Shabarov, Yu. S.	-2309	Shikhiev, I. A.	-3403
Shabarov, Yu. S.	-2313	Shikhiev, I. A.	-3405
Shabarova, Z. A.	-3026	Shinanskaya, N. P.	-2948
Shagidullin, R. R.	-3746	Shipov, A. E.	- 132
Shaiderova, L. P.	- 129	Shipov, A. E.	- 464
Shaiderova, L. P.	-3058	Shiryaev, B. V.	- 591
Shakhnazaryan, G. M.	-1530	Shkodinskaya, E. N.	- 948
Shakhova, M. K.	-1060	Shkodinskaya, E. N.	-3537
Shalavina, I. F.	-1152	Shkurko, O. P.	-3068
Shalavina, I. F.	-1924	Shmonina, L. I.	- 672
Shanazarov, K. S.	-1704	Shmonina, V. P.	- 681
Shapatin, A. S.	- 209	Shmonina, V. P.	- 686
Sharifkanov, A. Sh.	-2656	Shner, V. F.	-1565
Sharkova, N. M.	- 858	Shokol, V. A.	- 535
Sharupin, B. N.	-1941	Shokol, V. A.	-2120
Shatenshtein, A. I.	- 232	Shokol, Z. I.	-2861
Shatenshtein, A. I.	-1317	Shostakovskii, M. F.	- 626
Shatenshtein, A. I.	-1324	Shostakovskii, M. F.	- 672
Shatenshtein, A. I.	-1994	Shostakovskii, M. F.	-1345
Shatunov, V. K.	-2867	Shostakovskii, M. F.	-1350
Shatunov, V. K.	-2872	Shostakovskii, M. F.	-1354
Shbarova, Z. A.	-3635	Shostakovskii, M. F.	-1944
Shchegolova, V. I.	-1770	Shostakovskii, M. F.	-1959
Shchepetkova, O. A.	-1297	Shostakovskii, M. F.	-1963
Shchepetkova, O. A.	-3515	Shostakovskii, M. F.	-2318

Shostakovskii, M. F.	-2326	Skorokhodov, S. S.	-3382
Shostakovskii, M. F.	-2333	Skvarchenko, V. R.	- 346
Shostakovskii, M. F.	-3010	Skvarchenko, V. R.	-1700
Shostakovskii, M. F.	-3791	Skvarchenko, V. R.	-2636
Shostakovskii, S. M.	-1096	Skvortsova, G. G.	-3010
Shpital'nyi, A. S.	- 958	Sladkov, A. M.	- 228
Shtepanek, A. S.	-2854	Slavachevskaya, N. M.	-2568
Shubin, V. G.	-3754	Slobodin, Ya. M.	-3680
Shubina, L. V.	-3170	Smelyakova, V. B.	-2104
Shuikin, N. L.	- 1	Smimov, L. D.	-1426
Shuikin, N. L.	- 748	Smirnov, V. V.	-2823
Shukelene, D.	-3103	Smirnova, G. P.	-2390
Shukina, M. N.	- 938	Smirnova, G. P.	-2983
Shulov, L. M.	- 616	Smol'yaninova, E. K.	-2679
Shulov, L. M.	- 662	Smushkevich, Yu. I.	-2421
Shusherina, N. P.	- 994	Sobol', S. I.	- 336
Shusherina, N. P.	-1955	Soborovskii, I. Z.	- 787
Shusherina, N. P.	-2606	Sokolov, D. V.	- 794
Shusherina, N. P.	-3239	Sokolov, N. M.	- 971
Shuter, L. M.	-3431	Sokolov, S. D.	-2167
Shvachkin, Yu. P.	-1969	Sokolova, A. E.	- 601
Shvachkin, Yu. P.	-1974	Sokolova, A. E.	- 605
Shvarts, Yu. E.	- 393	Sokolova, E. B.	- 303
Shvartsberg, M. S.	-1186	Sokolova, E. B.	-3149
Shvedov, V. I.	-2140	Sokolova, L. V.	-3469
Shvets, V. I.	-2037	Sokolova, T. A.	-2073
Shvets, V. I.	-2040	Sokolova, T. A.	-2076
Shvetsova, L. S.	- 665	Sokol'skii, D. V.	- 681
Shvetsova-Shilovskaya, K. D.	- 776	Sokol'skii, D. V.	- 686
Shvetsova-Shilovskaya, K. D.	-3361	Sokol'skii, G. A.	- 648
Sidel'kovskaya, F. P.	-1354	Sokol'skii, G. A.	-1023
Sidel'kovskaya, F. P.	-3791	Sokol'skii, G. A.	-1026
Sidel'nikova, V. I.	- 665	Sokol'skii, G. A.	-1540
Sidorova, N. G.	-1883	Sokol'skii, G. A.	-2561
Sidorova, N. G.	-2008	Sokol'skii, G. A.	-2821
Sidorova, N. G.	-2013	Sokolovskii, M. A.	-3408
Silaev, A. B.	- 272	Solov'ev, V. M.	-2405
Silaev, A. B.	- 945	Solov'eva, N. P.	-2679
Silaev, A. B.	-2531	Somin, I. N.	-1000
Silaev, A. B.	-2535	Sopikova, I. I.	-2211
Silaev, A. B.	-2900	Sopov, N. P.	-1053
Silaev, A. B.	-3546	Sopova, A. S.	-1417
Silaev, A. B.	-3550	Sopova, A. S.	-1420
Silaev, A. B.	-3556	Sorokina, G. M.	- 864
Silaev, A. B.	-3664	Sorokina, L. P.	-3088
Simonov, A. M.	- 106	Sosina, I. E.	-1849
Simonov, A. M.	-1817	Sosina, I. E.	-2974
Simonov, A. M.	-3703	Sovalkova, L. K.	-2568
Simonova, N. I.	-2573	Spasokukotskii, N. S.	-3387
Sipyagina, M. A.	- 218	Spasskaya, I. F.	-2242
Skorre, O. K.	-2704	Spasskova, A. I.	-1394
Skoldinov, A. P.	- 159	Spitsina, L. Ya.	-2858
Skoldinov, A. P.	-2405	Spivak, S. P.	-2251
Skorokhod, O. R.	-1858	Spryskov, A. A.	- 268
Skorodumov, V. A.	-2915	Spryskov, A. A.	- 833

Tsukerman, S. V.	-1182
Tsukerman, S. V.	-2651
Tsukerman, S. V.	-2832
Tsukervanik, I. P.	- 485
Tsukervanik, I. P.	- 790
Tsukervanik, I. P.	-2003
Tsvetkov, E. N.	- 627
Tsybiksova, D. Ta.	-1700
Tsymbal, L. V.	-2318
Tsymbal, L. V.	-2326
Tszin-Khua, Tsul	-2290
Tszin-Khua, Tsul	-2294
Tukhvatullina, S. Yu.	-3311
Tul'chinskaya, L. S.	-2587
Tul'chinskaya, L. S.	-2592
Tul'chinskaya, L. S.	-3371
Tul'chinskaya, L. S.	-3444
Tul'chinskii, M. N.	- 240
Tulupov, V. A.	-1812
Tulyaganov, M. M.	-2362
Tulyaganov, M. M.	-2366
Turkevich, N. M.	-1523
Turkevich, N. M.	-3472
Turkina, M. Ya.	- 591
Turova-Polyak, M. B.	-1849
Turova-Polyak, M. B.	-1854
Turova-Polyak, M. B.	-2974
Tuzhilkina, V. L.	-2633
Tyukavkina, N. A.	-3006

U

Udovenko, V. V.	- 8
Ugarova, T. A.	- 218
Unkovskii, B. V.	-3330
Unkovskii, B. V.	-3336
Usanovich, M.	-1535
Usanovich, M.	-1643
Usanovich, M. I.	-3257
Ushenko, I. K.	-1245
Ushenko, I. K.	-2659
Ushenko, I. K.	-2666
Ushenko, I. K.	-2673
Usov, A. I.	-3081
Usovskaya, V. S.	-2988
Utkin, L. M.	-1617
Utkin, L. M.	-3560

V

Vagurtova, N. M.	-2167
Vai-py, Din.	-1770
Vakhtin, V. G.	- 665
Valetdinov, R. K.	-2809
Vanag, G. Ya.	- 137
Vanag, G. Ya.	- 109

Vanag, G. Ya.	- 837
Vanag, G. Ya.	- 841
Vanag, G. Ya.	-1820
Vanag, G. Ya.	-1828
Vansheidt, A. A.	-3382
Vartanyan, S. A.	-1176
Vartanyan, S. A.	-1512
Vartanyan, S. A.	-2273
Vasiletskaya, N. S.	-3785
Vasilenko, N. A.	- 341
Vasil'ev, A. E.	-1433
Vasil'ev, E. K.	-1186
Vasil'ev, N. I.	- 341
Vasil'ev, N. I.	-1693
Vasil'ev, N. I.	-2309
Vasil'ev, N. I.	-2313
Vasil'ev, V. G.	-2027
Vasil'ev, V. G.	-2031
Vasil'eva, A. S.	-2816
Vasil'eva, M. N.	- 948
Vasil'eva, M. V.	-2794
Vasil'eva, N. E.	-1350
Vasil'eva, V. F.	-1390
Vasil'eva, V. N.	-2027
Vasil'eva, V. N.	-2031
Vasil'kova, I. V.	-1941
Vasina, L. G.	-1765
Vas'kovskii, V. E.	- 607
Vatsuro, K. V.	-1984
Vatsuro, K. V.	-2503
Vaver, V. A.	- 528
Vdovin, V. M.	-3014
Vdovtsova, E. A.	- 90
Vdovtsova, E. A.	- 96
Vdovtsova, E. A.	- 437
Veinberg, A. Ya.	-1060
Veksler, V. I.	- 914
Veksler, V. I.	-3774
Venus-Danilova, E. D.	-1063
Venus-Danilova, E. D.	-2926
Verbovskaya, T. M.	- 488
Verbovskaya, T. M.	-2849
Verkhovtseva, T. P.	-1345
Vertulina, L. N.	- 976
Veselovskaya, I. K.	-2485
Veselovskaya, I. K.	-2826
Vig, O. P.	-1698
Vil'chinskaya, A. R.	-2053
Vindler, T.	-1688
Vinogradova, N. B.	-1357
Vinogradova, N. B.	-1362
Vinogradova, N. B.	-1367
Vinokurov, V. G.	- 192
Vinokurov, V. G.	- 997
Vinokurova, N. M.	-1003

Vitenberg, I. G.	-2351	Yagupol'skii, L. M.	-3343
Vizgert, R. V.	- 181	Yagupol'skii, L. M.	-3690
Vladimirova, I. L.	- 784	Yagupol'skii, L. M.	-3696
Vladimirovskaya, E. V.	-1798	Yakhontov, L. N.	-2977
Vlasov, V. M.	- 626	Yakhontov, L. N.	-3062
Voitkevich, S. A.	-2679	Yakobson, G. G.	-1130
Voitsekhovskaya, I. Yu.	-3495	Yakobson, G. G.	-1134
Vokkov, R. N.	-2880	Yakobson, G. G.	-1137
Vol'fson, L. G.	- 456	Yakobson, G. G.	-1561
Vol'kenshtein, Yu. B.	- 567	Yakobson, G. G.	-3459
Volkov, A. N.	-1959	Yakubovich, A. Ya.	-1405
Volkov, R. N.	-2454	Yakubovich, A. Ya.	-1866
Volkov, V. P.	- 129	Yakubovich, A. Ya.	-1981
Volkov, V. P.	- 494	Yamatova, R. Sh.	-2259
Volkov, V. P.	-3058	Yansons, I.	-1944
Volkova, A. S.	-1765	Yansons, S.	-1944
Volkova, L. M.	-2634	Yaroslavtseva, Z. A.	-1270
Volkova, L. V.	-2037	Yaroslavtseva, Z. A.	-3469
Volkova, L. V.	-2040	Yarovenko, N. N.	-2816
Volodkovich, S. D.	- 456	Yarovenko, N. N.	-3737
Vorob'eva, V. Ya.	-2435	Yarovenko, N. N.	-3742
Vorob'eva, V. Ya.	-3033	Yashunskii, V. G.	-1390
Voronin, V. G.	-1429	Yashunskii, V. G.	-2158
Voronkina, T. M.	-1354	Yudkina, T. P.	-1849
Voronkov, M. G.	-1166	Yudkina, T. P.	-2974
Voronkov, M. G.	-1886	Yufa, P. A.	-3696
Voronova, K. R.	-2599	Yuldashev, Kh. Yu.	- 790
Voropaeva, A. V.	-2922	Yulikova, E. P.	- 272
Vorotnikova, L. A.	-1708	Yulikova, E. P.	- 945
Vorozhtsov, Jr., N. N.	-1130	Yulikova, E. P.	-2531
Vorozhtsov, Jr., N. N.	-1134	Yur'ev, Yu. K.	- 129
Vorozhtsov, Jr., N. N.	-1137	Yur'ev, Yu. K.	- 494
Vorozhtsov, Jr., N. N.	-1561	Yur'ev, Yu. K.	- 629
Vorozhtsov, Jr., N. N.	-3106	Yur'ev, Yu. K.	- 768
Vorozhtsov, Jr., N. N.	-3115	Yur'ev, Yu. K.	- 772
Vorozhtsov, Jr., N. N.	-3459	Yur'ev, Yu. K.	-1040
Vul'fson, N. S.	- 259	Yur'ev, Yu. K.	-1337
Vul'fson, N. S.	- 442	Yur'ev, Yu. K.	-1341
Vul'fson, N. S.	- 806	Yur'ev, Yu. K.	-1760
Vul'fson, N. S.	-3151	Yur'ev, Yu. K.	-1991
Vusotskii, V. I.	-3787	Yur'ev, Yu. K.	-2370
Vyazankin, N. S.	- 922	Yur'ev, Yu. K.	-2376
Vyazankin, N. S.	-1297	Yur'ev, Yu. K.	-2700
Vyazankin, N. S.	-1598	Yur'ev, Yu. K.	-3055
Vyazankin, N. S.	-3515	Yur'ev, Yu. K.	-3058
Vyazankin, N. S.	-3784	Yur'ev, Yu. K.	-3292
Vyshinskii, N. N.	-1598	Yur'ev, Yu. K.	-3296
Vyshinskaya, L. I.	-2490	Yur'ev, Yu. K.	-3298
		Yur'ev, Yu. K.	-3583
		Yur'ev, Yu. K.	-3656
		Yurkevich, A. M.	-2595
		Yurkevich, A. M.	-3526
		Yusufov, B. G.	-3403
		Yusunov, F. Yu.	-3510
Yagupol'skii, L. M.	- 307		
Yagupol'skii, L. M.	- 578		
Yagupol'skii, L. M.	- 845		
Yagupol'skii, L. M.	-1219		

Y

Z

Zagorevskii, V. A.	- 523	Zhdanov, S. I.	-3611
Zagorevskii, V. A.	- 997	Zhdanova, K. I.	- 232
Zagorevskii, V. A.	-2790	Zhdanova, K. I.	-1994
Zakharkin, L. I.	-3088	Zhdanovich, E. S.	- 406
Zakharkin, L. I.	-3417	Zhdanovich, E. S.	- 498
Zakharova, N. A.	-2116	Zhdanovich, E. S.	-2781
Zakharova, N. A.	-2430	Zhdanovich, E. S.	-3053
Zaks, P. G.	-3682	Zhenodarova, S. M.	- 48
Zal'manovich, M. Z.	- 186	Zhikharev, V. S.	- 641
Zalukaev, L. P.	- 2858	Zhilina, L. D.	-3387
Zanina, A. S.	-2991	Zhivukhin, S. M.	-2895
Zaputryaev, B. A.	- 350	Zhmurova, I. N.	-3440
Zaputryaev, B. A.	- 675	Zhmurova, I. N.	-3495
Zaretskii, V. I.	- 442	Zhuravlev, E. F.	- 327
Zarubinskii, G. M.	-1763	Zhuravlev, E. F.	-1300
Zavgorodnii, S. V.	- 338	Zhuravlev, S. V.	-2915
Zavgorodnii, S. V.	- 665	Zhuravleva, L. P.	- 197
Zavgorodnii, S. V.	- 670	Zhuravleva, L. P.	- 551
Zavgorodnii, S. V.	-2454	Zhurin, R. B.	- 259
Zavgorodnii, S. V.	-2880	Zhurin, R. B.	- 806
Zavgorodnii, V. S.	-2268	Zhurin, R. B.	-2573
Zavlin, P. M.	- 73	Zhurin, R. B.	-3151
Zavlin, P. M.	-3408	Zhukova, I. G.	- 853
Zav'yalov, S. I.	-3377	Zhukova, I. G.	- 858
Zav'yalov, S. I.	-3449	Zhvirblis, V. E.	- 607
Zav'yalov, S. I.	-3707	Zil'berman, E. N.	- 228
Zav'yalov, S. I.	-3719	Zil'berman, E. N.	- 906
Zefirov, N. S.	- 629	Zil'berman, E. N.	-1179
Zefirov, N. S.	- 772	Zil'berman, E. N.	-1224
Zefirov, N. S.	-1040	Zil'berman, E. N.	-1603
Zefirov, N. S.	-2700	Zil'berman, E. N.	-1905
Zefirov, N. S.	-3292	Zil'berman, E. N.	-1908
Zefirov, N. S.	-3583	Ziyaev, A. A.	- 621
Zelenskaya, M. G.	-3791	Zlotchenko, S. I.	-3772
Zelentsov, V. V.	-2631	Zolotova-Solotukhina, L. V.	-2798
Zemlyanskii, N. I.	- 811	Zonis, L. S.	-2801
Zemskova, L. I.	- 416	Zubarovskii, V. M.	-2849
Zhdanov, A. A.	- 209	Zvonkova, E. N.	-2034
Zhdanov, A. A.	-3764	Zvontsova, A. S.	-2089
Zhdanov, S. I.	-3607	Zyat'kov, I. P.	-2706
		Zykov, D. A.	- 523



CONTENTS

	PAGE	RUSS. PAGE
In Memory of Academician Nikolai Dmitrievich Zelinskii (on the Hundredth Anniversary of His Birth) N. I. Shuikin	1	I
Physicochemical Study of Systems Containing Diphenylamine. II. V. V. Udovenko and K. P. Topornina	8	3
Alkyl Carbonate Salts. V. Methyl Carbonate Salts of Bivalent Metals. V. I. Kurov ...	13	9
Spectroscopic Study of Thione-Thiol Tautomerism. I. Infrared Absorption Spectra of Thiourea, Phenylthiourea, Asymmetrical Diphenylthiourea and Symmetrical Diphenylthiourea. A. K. Chibisov and Yu. A. Pentin	16	11
Absorption Spectra of 3-Oxo-2,3-dihydrothionaphthene and Its Derivatives. III. M. A. Mostoslavskii and V. A. Izmail'skii	21	17
Hydrogenation of Unsaturated Compounds in the Presence of Colloidal Palladium. XV. Hydrogenation of Some Oxygen-Containing Acetylene Compounds. Kh. V. Bal'yan	32	28
Synthesis and Conversions of Unsaturated Organosilicon Compounds. VIII. Synthesis and Properties of Some Ditertiary γ -Silicon-Containing Acetylenic Glycols. I. A. Shikhiev, M. I. Aliev, I. A. Aslanov, and Sh. V. Garaeva.	38	35
Electroreduction as a Method of Investigating Protein Reduction of Some Diketopiperazines. A. A. Akimova and N. I. Gavrilov	41	38
Synthesis of Esters of Acylated Amino Acids and Glycolic Acids. M. M. Botvinik, V. I. Ostoslavskaya, and L. L. Ivanov	45	42
Cyclization of Peptides in the Presence of Ethoxyacetylene. E. A. Morozova and S. M. Zhenodarova	48	45
N-Ethyl-meso-aminoacridinium Salts and Their Conversions. I. S. Ioffe and N. A. Selezneva	52	50
Preparation of Hydroxyaryl Ketones and Hydroxyaryl Keto Acids by Acylation of Aluminum Phenolates. V. K. Kuskov and Yu. A. Naumov	55	54
Separate Chromophoric Systems. XXXII. Color Phenomena in Arylamides of p-Nitro- α -phenylcinnamic and α -(p-Nitrophenyl)-cinnamic Acids. A. V. Belotsvetov ...	60	59
Synthesis of Chelants among Azoxy Compounds. III. New Synthesis of 2-(2-Aminophenyl-azoxy)-4-methylphenol and More Accurate Determination of Its Structure. V. M. Dziomko and K. A. Dunaevskaya	67	68
Reactions of Cyanimide with Higher Aliphatic Acids. A. E. Kretov and A. P. Momsenko	71	73
Conversions of Triphenylmethane Dyes in Acid Media. II. Study of Complex Acid-Base Equilibria. O. F. Ginzburg and P. M. Zavlin	73	75
Synthesis and Study of the Conversions of Acetylenic α -Glycols. V. Reaction of 3,4,6-Tri-methylhept-1-yne-3,4-diol and 4,5-Dimethylhept-2-yne-4,5-diol with Concentrated Sulfuric Acid at Low Temperature. T. A. Favorskaya and Hsü Ting-yü... ..	77	80
Mechanism of the Dehydration of γ -Glycols. VIII. Reaction of 3-Methyl-1-phenylhex-1-yne-3,6-diol with Dilute Sulfuric Acid. T. A. Favorskaya and Hsü Ting-yü ..	82	86

CONTENTS (continued)

	PAGE	RUSS. PAGE
Tertiary Trihydric Acetylenic Alcohols and Their Conversions. XXII. Dehydration of 2-Methyl-5-(1-hydroxycyclopentyl)-hex-3-yne-2,5-diol and 2,4-Di-(1-hydroxycyclopentyl)-but-3-yn-2-ol. V. I. Nikitin and E. M. Glazunova	85	89
Alkylation of Aromatic Compounds with Dienes. I. Alkenylation of Anisole with Piperylene in the Presence of Boron Trifluoride Ethyl Etherate. E. A. Vdovtsova	90	95
Alkylation of Aromatic Compounds with Dienes. II. Alkenylation of Anisole with Piperylene in the Presence of Boron Trifluoride, Aluminum Chloride, and Their Compounds with Orthophosphoric Acid. E. A. Vdovtsova	96	102
Synthetic Anesthetics. Separation of Stereoisomeric 1,2,5-Trimethyl-4-phenyl-4-piperidols. N. S. Prostakov and N. N. Mikheeva	101	108
Amination of Heterocyclic Compounds Containing an Imidazole Ring. A. M. Simonov and A. D. Garnovskii	106	114
Synthesis of 2-Benzhydrylindan-1,3-dione and Its 2-Amino Derivatives. A. K. Aren and G. Ya. Vanag	109	117
Preparation of 5-Hydroxy-γ-pyrone-2-carboxylic Acid and 3-Hydroxy-γ-pyrone. G. A. Garkusha and G. A. Khutornenko	115	123
Reactions of Silicon Peroxides with Some Tertiary Alcohols. Yu. A. Ol'dekop, M. M. Azanovskaya, and A. N. Kharitonovich	118	126
Investigation of Pyrazoles. XIII. Phosphorylation of Pyrazoles. I. I. Grandberg and A. N. Kost	121	129
Condensation of Cyclopentadiene with Aliphatic Dienes. III. Isomerization of 2-Vinyl- and 2-Isopropenylbicyclo[2.2.1]heptene-5 to the 4,9,7,8-Tetrahydroindene System. A. F. Platé and N. A. Belikova	124	131
Investigation in the Furan Series. XI. 2,5-Bis(chloromethyl)furan in the Synthesis of Symmetrical 2,5-Dialkylfurans. K. Yu. Novitskii, V. P. Volkov, L. P. Shaiderova, and Yu. K. Yur'ev	129	136
Use of the Hammett Equation for Phosphorus Dithio Acids. M. I. Kabachnik, T. A. Mastryukova, G. A. Balueva, E. E. Kugucheva, A. É. Shipov, and T. A. Melent'eva	132	140
Iodonium Derivatives of β-Diketones. IV. Reaction of 5-Phenylcyclohexanedione-1,3 With Phenyl Iodosoacetate. O. Ya. Neiland and G. Ya. Vanag	137	146
Bis(β-chloroethyl)amines of Bicyclic Compounds. IV. The Preparation of Benzo- and Methoxybenzocycloheptylamines-5 and Some of Their Derivatives. K. V. Levshina and S. I. Sergievskaya	146	156
Organoboron Compounds. LXV. Synthesis of Esters of Dialkylthioboric Acids by the Action of Mercaptans on Trialkyl Borons. B. M. Mikhailov and Yu. N. Bubnov	150	160
Polyene Compounds. XIV. Synthesis of Monoarylated Polyene Hydrocarbons. L. S. Povarov and B. M. Mikhailov	156	167
Studies in the Field of Derivatives of β-Dicarboxyl Compounds. III. The Synthesis of 4-Substituted Pyrazoles. V. T. Klimko, T. V. Protopova and A. P. Skoldinov	159	170
Reactions of Acid Phosphites, Thiophosphites, Phosphonites, and Dialkylphosphine Oxides with Disulfides. K. A. Petrov, N. K. Bliznyuk, and I. Yu. Mansurov	164	176
Monoalkoxymethylthiophosphonates and Monoalkoxymethylphosphonites. K. A. Petrov, N. K. Bliznyuk, Yu. N. Studnev, and A. F. Kolomiets	168	179
Studies in the Imidazole Series. IX. The Action of Bromoacetic Acid on Esters of 2-Mercaptoimidazole Carboxylic Acids. P. M. Kochergin	172	184

CONTENTS (continued)

	PAGE	RUSS. PAGE
Condensations of Heterocyclic Polymethylene Derivatives Based on Lactams. III. Synthesis of 1,2-Pentamethylenepirimidines. R. G. Glushkov and O. Yu. Magidson	177	189
Reactions of Aromatic Sulfonic Esters. XI. Alkaline and Neutral Hydrolysis of Nitro- Substituted Phenyl Benzenesulfonates. R. V. Vizgert, E. K. Savchuk, and O. A. Prib	181	194
N-Substituted Amides of Salicylic Acid and Its Derivatives. III. Arylides of 5-Amino- salicylic Acid. I. S. Ioffe and M. Z. Zal'manovich	186	199
Substituted Indazole-3-carboxamides and 3-Aminomethylindazoles. N. K. Kochetkov and N. V. Dudykina	189	201
Cycloserine and Related Compounds. XI. Infrared Spectra of Isoxazolidones-3, V. G. Vinokurov, V. S. Troitskaya, and N. K. Kochetkov ..	192	205
Derivatives of 4-Phosphinylsemicarbazide. A. V. Kirsanov and L. P. Zhuravleva	197	210
Sulfonation and Sulfonic Acids of Acidophobic Compounds. XXIX. Geometrical Isomerism of Unsaturated Sulfonic Acids. Synthesis of Unsaturated Sulfones, A. P. Terent'ev and R. A. Gracheva	203	217
Thioindigoid Dyes. VI. Ethoxy- and Ethoxynitro-Substituted Thioindigos. N. S. Dokunikhin and Yu. E. Gerasimenko	205	219
Reactions of Aluminum Isopropoxide with Some Organophosphorus Compounds, K. A. Andrianov, A. A. Zhdanov, L. M. Khananashvili, and A. S. Shapatin	209	224
Synthesis of Poly(phenoxymethylphosphinoxy)alumoxanes. K. A. Andrianov, L. M. Khananashvili, A. A. Kazakova, and A. A. Ivanov ..	213	228
Synthesis of Haloesters of Orthotitanic Acid. K. A. Andrianov, V. V. Astakhin, and I. V. Sukhanova	216	232
Some Diketodicarboxylic Silicoorganic Acids. K. A. Andrianov, T. A. Ugarova, and M. A. Sipyagina	218	234
Syntheses of Aldehydes from 2-Thienyl-(p-hydroxyphenyl) and -(p-Methoxyphenyl) Sulfides. III. B. P. Fedorov and F. M. Stoyanovich	222	238
The Interaction of Nitriles, Tertiary Alcohols, and Hydrogen Chloride. E. N. Zil'berman and A. M. Sladkov	228	245
Comparison of Bromides as Catalysts of Deuteroexchange of Aromatic Compounds with Liquid Deuterium Bromide. A. I. Shatenshtein, K. I. Zhdanova and V. M. Basmanova	232	250
The Reducing Power of Some Pentoses and Hexoses in Dependence on Their Structure. V. M. N. Tul'chinskii	240	259
The Chemistry of 5-Halofurans. XV. Reactions of Halogen Replacement in 5-Halo-2- nitrofurans. Z. N. Nazarova and V. N. Novikov	243	263
Breakdown of Acyl Peroxides in Acids. G. A. Razuvaev, V. N. Latyaeva, and G. G. Petukhov	248	268
Study of the Thermal Decomposition of Acetylcyclohexanesulfonyl Peroxide in Various Solvents. G. A. Razuvaev, V. R. Likhterov, and V. S. Étlis ..	253	274
Investigation in the Field of C-Acylation of Heterocyclic Ketoenols. IV. 5-Acylbar- bituric Acids. N. S. Vul'fson and R. B. Zhurin	259	281
The Orientating Influence of Substituents in the Formation of α -Substituted Phenazine Salts. V. Yu. S. Rozum	261	283
Orientation in Substitution in the Aromatic Series. VII. Catalysts in the Isomerization of Dichlorobenzenes. A. A. Spryskov and Yu. G. Erykalov	268	292

CONTENTS (continued)

	PAGE	RUSS. PAGE
The Chemistry of Polymyxin M. I. Qualitative Amino Acid Composition, End Group Analysis. A. B. Silaev, V. M. Stepanov, E. P. Yulikova, E. V. Troshko, and E. D. Levin	272	297
Synthesis of a Peucedanin Amino Derivative. G. K. Nikonov	279	305
Establishment of the Structure of Sophoradine and Leontine. F. Rulko and N. F. Proskurnina	282	308
The Ultraviolet Absorption Spectra of Alkylimines of Acetylacetone and β -Hydroxynaphthaldehyde. L. A. Kazitsyna, N. B. Kuplet-skaya, L. L. Polstyanko, B. S. Kikot', Yu. A. Kolesnik, and A. P. Terent'ev	286	313
The Structure of Prangenine. G. A. Kuznetsova and G. V. Pigulevskii ..	295	323
Pyridine-Cuprous Chloride Complex as a Catalyst for Autooxidation. II. Autooxidation of Amines Depending on Substituents in the Aromatic Ring. A. P. Terent'ev and Ya. D. Mogilyanskii	298	326
A New Variant of the Amine Method for the Synthesis of Ferrocene. E. B. Sokolova, M. P. Shebanova, and L. F. Nikolaeva	303	332
Aminocolchicide and Its Derivatives. III. Colchicide Derivatives of Glycine and β -Alanine. V. V. Kiselev	305	334
LETTER TO THE EDITOR		
Alkylation by Esters of Carboxylic Acids which Contain Fluorine. L. M. Yagupol'skii and R. V. Belinskaya	307	336

CONTENTS

	PAGE	RUSS. PAGE
Electrical Conductivity, Viscosity and Density of Systems SnCl_4 - n - $\text{C}_4\text{H}_9\text{OH}$ - C_6H_6 and SnCl_4 - n - $\text{C}_5\text{H}_{11}\text{OH}$ - C_6H_6 . II. Yu. Nevskaya and T. Sumarokova	309	345
Complex Compounds of SnCl_4 and SnBr_4 with Dimedon and Terpeneol. Yu. Nevskaya and T. Sumarokova	313	348
Compounds of Type $\text{SnX}_4 \cdot \text{A} \cdot \text{B}$. T. Sumarokova and I. Litvyak	316	352
Molecular Compounds of Urotropine. I. Molecular Compounds of Urotropine with Some Organic Acids in Aqueous Solutions. É. A. Gyunner	319	354
Spectroscopic Investigation of Thiono-Thiol Tautomerism. II. Ultraviolet and Infrared Absorption Spectra and Combination-Scattering Spectra of Solutions of Thiocarbamide, Phenylthiocarbamide, Diphenylthiocarbamide (Asym.), and Diphenylthiocarbamide (Sym.). A. K. Chibisov and Yu. A. Pentin	323	359
Density, Viscosity, and Refractive Index of Certain Stratified Binary Liquid Systems. E. F. Zhuravlev	327	363
Physicochemical Analysis of Systems Containing Salts of Organic Acids. III. Reciprocal System of Potassium and Sodium Bromides and Acetates. I. I. Il'yasov and A. G. Bergman	331	368
Dipole Moments of <i>o</i> - and <i>p</i> -Isobornyl Cresols and Their Bromides. I. Yu. Kokoreva and V. M. Kazakova	334	371
The Values of the Isobaric-Isothermic Potential and the Activity Product of $\text{Ni}(\text{OH})_4$. S. I. Sobol'	336	372
The Alkylation of <i>o</i> -Bromophenol by Propylene, Pentene-1 and Pentene-2. V. G. Kryuchkova and S. V. Zavgorodnii	338	374
Cyclopropane and Cyclobutanes. XVI. <i>p</i> -Chloro and <i>p</i> -Bromophenylcyclobutanes. Yu. S. Shabarov, R. Ya. Levina, N. I. Vasil'ev, and N. A. Vasilenko	341	378
Aromatic Hydrocarbons. XVII. The Synthesis of Phenanthrenes. V. R. Skvarchenko, Ling Weng-lien, and R. Ya. Levina	346	383
The Synthesis of Arylamides of Cyclopentanone-2-Carboxylic Acid. B. A. Zaputryaev, A. M. Khaletskii, and L. D. Pimenova	350	387
Addition Reactions of Acetylene Carboxylic Acids and Their Esters. I. The Reaction of Acetylene Dicarboxylic Acid and Its Esters with Arylsulfinic Acids. E. I. Grinblat and I. Ya. Postovskii	352	389
Addition Reactions of Acetylene Carboxylic Acids and Their Esters. II. Reactions with Cyclic Thioamides. E. I. Grinblat and I. Ya. Postovskii	357	394
Addition Reactions of Acetylene Carboxylic Acids and Their Esters. III. Reactions with Cyclic Amines and β, β' -Dichlorodiethylamine. I. Ya. Postovskii, E. I. Grinblat, and L. F. Trefilova	363	400
The Synthesis of New Aryl Derivatives of 1,3,4-Oxadiazole. A. P. Grekov and R. S. Azen	369	407

CONTENTS (continued)

	PAGE	RUSS. PAGE
Studies in the Field of Conjugated Systems. CXXVIII. The Order of Addition of Bromine to Silicon Containing Enynes. M. D. Stadnichuk and A. A. Petrov.....	373	411
Investigations in the Field of Conjugated Systems. CXXIX. The Order of Addition of Tertiary Alkyl Halides to Propenyl-, Isopropenyl-, and Vinylmethylacetylenes. I. A. Maretina and A. A. Petrov	380	419
Investigations in the Field of Conjugated Systems. CXXX. Arylhalogenation of Vinylacetylene by Phenyl-, p-Tolyl-, m- and p-Chlorophenyl-, and p-Anisylidiazonium Salts. Yu. I. Kheruze and A. A. Petrov	389	428
Investigations in the Field of Conjugated Systems. CXXXI. Preparation of "Sesquiterpene" Chlorides by Telomerization of Piperylene, Isoprene, and Chloroprene with Diiperylene Hydrochloride (2-Chloro-6-Methylnonadiene-3,7) and Conversion of Them to "Sesquiterpene Alcohols." E. Yu. Shvarts and A. A. Petrov.....	393	433
The Synthesis of the Ethyl Ester of α -(β' -Carboxyethyl)- β -Methyl Levulinic Acid. R. P. Evstigneeva, Ya. K. Todorova, and N. A. Preobrazhenskii.	400	441
The Synthesis of the Ethyl Ester of α -Methyl- β -(β' -Carboxyethyl)-Levulinic Acid. R. P. Evstigneeva, Ya. K. Todorova, and N. A. Preobrazhenskii.	403	443
Synthetic Studies in the Field of Coenzyme A. I. Synthesis of β -Aminopropionic Acid, β -Alanine. E. S. Zhdanovich, E. I. Byalaya, and N. A. Preobrazhenskii	406	446
Conjugation Factors in Cyclic Systems. I. The Nature of Isomerization of Double Bonds in Monosubstituted Cyclohexadiene-1,2-Dicarboxylic Acids. V. F. Kucherov and N. Ya. Grigor'eva	408	447
Conjugation Factors in Cyclic Systems. II. Isomerization of Double Bonds in Dimethyl- $\Delta^{1,4}$ -Cyclohexadiene-1,2-Dicarboxylic Acids. V. F. Kucherov, N. Ya. Grigor'eva, and I. I. Zemskova	416	457
Studies of Chitin. IV. Preparation and Properties of Carboxymethyl Chitin. S. N. Danilov and E. A. Plisko	426	469
Synthesis of Cellulose Ethers with the Help of Esters of Benzenesulfonic Acid. II. E. A. Plisko	431	474
Reaction of Mercury Salts with Secondary-Tertiary α -Glycols of the Acetylenic Series. IV. 1,2,4-Triphenyl-3-Butyne-1,2-Diol, 3-Methyl-5-Phenyl-4-Pentyne-2,3-Diol and Mercuric Chloride. A. Fabritsy and I. Kubalya	434	476
Alkylation of Aromatic Compounds by Dienic Hydrocarbons. III. Alkenylation of Phenol by Piperylene in Presence of Anhydrous Phosphoric Acid. E. A. Vdovtsova and A. M. Romanikhin	437	479
The Dieckmann Reaction. VIII. Cyclization of the Diethyl Ester of α -Methyl- α' -Carbethoxypimelic Acid. V. I. Zaretskii and I. S. Vul'fson	442	484
Synthesis of Derivatives of 2-Alkyl-5-Methoxygramine. A. N. Grinev, V. N. Ermakova, and A. P. Terent'ev	447	490
Condensed Heterocycles. Derivatives of 1-Phenyl-Pyrazolino-[2,3-a]-Pyrimidine. N. A. Negoroshkova, Ya. A. Levin, and V. A. Kukhmin	452	495
Catalytic Condensation of Schiff Bases from Esters of p-Aminobenzoic Acid and Aromatic Aldehydes with Fatty-Aromatic Ketones. N. S. Kozlov and V. D. Pak	454	497
Herbicides and Plant Growth Regulators. XXXVI. Synthesis of Some Tetrachloro-, Pentachloro-, and Hexachloro-3,6-Endomethylenetetrahydrophthalamic Acids and Their Imides. N. N. Mel'nikov, L. G. Vol'fson, and S. D. Volodkovich.....	456	499

CONTENTS (continued)

	PAGE	RUSS. PAGE
A Method of Preparation of Dialkylidithiophosphonic Acids. T. A. Mastryukova, A. É. Shipov, and M. I. Kabachnik	464	507
Investigation of the Reactivity of the Hydrogen Atoms of the Methylene Group of Some Azolidines. S. N. Baranov	469	512
On the Reaction of N-Chloroimides of Carboxylic Acids with Trialkyl Phosphites, Halophosphites, and Cyanophosphites. K. A. Petrov, A. A. Nelmysheva, M. G. Fomenko, L. M. Chernushevich, and A. D. Kuntsevich ..	473	516
Investigations in the Field of Hydroxy Derivatives of Phenanthrene. II. Certain Conversion Products of the Disulfite Compound of 1,2-Phenanthro-(3', 4')-Furoxan. S. V. Bogdanov and L. S. Shibryaeva	479	522
Alkylation and Acylation of Acetoacetic and Malonic Esters in the Presence of Copper Powder. I. P. Tsukervanik and G. G. Galust'yan	485	528
Condensation of Nitroacetic Ester with o-Aminophenylmercaptan. A. I. Kiprianov and T. M. Verbovskaya	488	531
Studies in the Furan Series. XII. Furan-2,5-Dialdehyde and Its Reactions with Malonic Acid Derivatives. K. Yu. Novitskii, V. P. Volkov, and Yu. K. Yur'ev ..	494	538
Synthetic Studies in the Field of Vitamins of Group B ₆ . I. Synthesis of 2-Methyl-3-Hydroxy-4-Methoxymethyl-5-Hydroxymethyl-Pyridine. M. V. Balyakina, E. S. Zhdanovich, and N. A. Preobrazhenskii	498	542
Study of Pyrazoles. XIV. Dehydration with Sulfur of Pyrazolines Having Functional Substituents in the Pyrazoline Ring. I. I. Grandberg, Din Vei-pi, A. N. Kost, and V. I. Kozlova	501	544
Study of Pyrazoles. XV. Reactions of Pyrazoles with Halogen Compounds of Sulfur. I. I. Grandberg	505	548
The Study of Furan Compounds. XIII. Formation of Derivatives of 1,6-Dioxaspiro-(4,4)-Non-3-Ene by Electrolytic Methoxylation of γ -Furyl Alkanols. A. A. Ponomarev and I. A. Markushina	511	554
The Synthesis of Trans-p,p'-Diphenylstilbene. L. Ya. Malkes and A. I. Timchenko	516	560
Spatial Structure and Reactivity. XIX. The Synthesis of Amino Derivatives of Benzophenone and the Kinetics of Their Acylation. L. M. Litvinenko and N. F. Levchenko	518	562
The Transformation of 2-Chromonecarboxylic Acids into 4-Chlorocoumarins. V. A. Zagorevskii, D. A. Zykov, and É. K. Orlova	523	568
Organic Boron Compounds. LXVII. Reactions of Trialkyl Borons with Organic Acids. B. M. Mikhailov and V. A. Vaver	528	574
Organic Boron Compounds. LXVIII. Dialkylboroamines and Their N-Substituents. B. M. Mikhailov and Yu. N. Bubnov	531	577
Aryl Esters of N-Diaryloxyphosphinyliminothiocarboxylic Acids of the Aromatic Series. A. V. Kirsanov and V. A. Shokol	535	582
Reaction of Diacyl Chlorides of Alkyl Phosphinic Acids with Phosphorus Pentachloride. G. K. Fedorova and A. V. Kirsanov	546	594
N-Dichlorophosphinylcarbamic Acid. A. V. Kirsanov and L. P. Zhuravleva ..	551	598
Secondary Acetylene Alcohols of the Δ^3 -Cyclohexene Series and Some of Their Conversions. G. P. Kugatova, V. V. Mozolis, and Z. B. Alaune	556	604
Studies in the Field of Amines and Ammonium Compounds. XIV. Alkaline Hydrolysis of Ammonium Salts Containing an Alkoxyethyl Group in δ -Position of a β , γ -Unsaturated Radical. A. T. Babayan, Zh. G. Gegelyan, and M. G. Indzhikyan	562	611

CONTENTS (continued)

	PAGE	RUSS. PAGE
Chloromethylation of Acetophenone and 2-Acetothienone in the Presence of an Excess of Aluminium Chloride. Ya. L. Gol'dfarb and Yu. B. Vol'kenshtein..	567	616
Studies in the Field of Synthetic Dyes. XX. Cyclization of p,p'-Ditolylamine to a Quaternary Lepidinium Salt, and Some Reactions of the Latter.		
G. T. Pilyugin and B. M. Gutsulyak	574	623
Formylation of Δ^2 -Pyrazoline Derivatives. E. E. Baroni and K. A. Kovyrazina .	577	627
Cyanine Dyes Containing Fluorine. IX. Cyanine Dyes from 5,6-(Difluoromethylene)-Dioxybenzthiazole Derivatives. L. M. Yagunol'skii		
and V. I. Troitskaya	578	628
An Investigation of the Reaction of Furfurole with Aniline. M. S. Barvinok,		
V. S. Kuprik, V. V. Mazurek, and G. I. Semenov	582	632
Isotopic Exchange in Decarboxylation of Deuterated Benzoic Acid. G. A. Semenov,		
M. Ya. Turkina, and B. V. Shiryayev	591	641
A Study of the Compounds Constituting the Ethereal Oils. I. Isomerization of Cedrene Oxide. M. I. Goryaev and G. A. Tolstikov.....	594	644
The Reaction of Oxides of Higher Unsaturated Acids with Lithium Aluminum Hydride. I. Epoxyoleic Acid and Epoxypetroselinic Acid. G. V. Pigulevskii		
and A. E. Sokolova.....	601	652
The Reaction of Oxides of Higher Unsaturated Acids with Lithium Aluminum Hydride. II. The Oxide of Methyl Erucate. G. V. Pigulevskii and A. E. Sokolova.	605	656
Triterpenic Saponins. I. Saponins from the Roots of Aralia Mandshurica.		
N. K. Kochetkov, A. Ya. Khorlin, V. E. Vas'kovskii,		
and V. E. Zhvirblis	607	658
A New Method of Preparation of Cis-Cyclobutane-1,2-Dicarboxylic Acid.		
V. P. Gol'mov and Z. P. Malevannaya	613	665
An Investigation in the Field of the Terpenylphenols. IV. A Study of the Products of the Condensation of Camphene with o-Cresol. L. A. Kheifits, L. M. Shulov,		
É. V. Broun, and V. N. Belov	616	672
Syntheses Based on Anabasine. XIV. Sulfonation of 4,4'-Bipyridine with Sulfuric Acid.		
O. S. Otroshchenko, A. S. Sadykov, and A. A. Ziyaev	621	678
LETTERS TO THE EDITOR		
The Stereoselective Course of the Reaction between Carbethoxycarbene and the Stereoisomeric 1,2-Diphenylethenes. I. A. D'yakonov, Fu Gui-siya,		
G. L. Korichev, and M. I. Komendantov	624	681
Synthesis of Trialkylvinylloxysilanes from Acetylene and Silanols.		
M. F. Shostakovskii and V. M. Vlasov	626	683
Polycondensation Based on the A. E. Arbuzov Reaction. M. I. Kabachnik		
and E. N. Tsvetkov.....	627	684
Studies in the Furan Series. XIII. New Stereospecific Synthesis of Cyclitols.		
Yu. K. Yur'ev and N. S. Zefirov	629	685
DISCUSSION		
Concerning the Paper by M. Batuev on "The Problem of Conjugation in Benzene"		
F. F. Cheshko	631	687
The Structure of the Alkaloid Dubinidine. G. P. Men'shikov	639	693

CONTENTS

	PAGE	RUSS. PAGE
Physicochemical Analysis of Phenol-Acetic Anhydride System. Yu. Ya. Fialkov and V. S. Zhikharev.....	641	699
Fluoromethyl Esters of Sulfuric Acid. I. Electrochemical Fluorination of Methyl Chloro-sulfonate. G. A. Sokol'skii and M. A. Dmitriev.....	648	706
Reaction of Titanium Tetrahalides with Acetic Acid Esters. Yu. B. Kletenik and O. A. Osipov.....	651	710
Ternary System Benzene-Nitrobenzene-m-Dinitrobenzene. G. B. Ravich and O. F. Bogush.....	656	716
Terpenophenols. V. Determination of the Dissociation Constants of Some Sterically Hindered Terpenophenols in Aqueous Organic Solvents. L. A. Kheifits, L. M. Shulov, I. V. Persianova, and V. N. Belov.....	662	723
Use of the Compound $AlCl_3 \cdot H_2PO_4$ as Catalyst in the Alkylation of Aromatic Hydrocarbons with Olefins. S. V. Zavgorodnii, T. B. Gonsovskaya, L. S. Shvetsova, V. I. Sidel'nikova, and V. G. Vakhtin.....	665	726
Alkylation of o-Bromoanisole with Propylene, 2-Butene, and Cyclohexene in the Presence of $BF_3 \cdot H_3PO_4$. V. G. Kryuchkova and S. V. Zavgorodnii.....	670	731
Synthesis of 1-Alkoxy-2-hydroxydialkoxy- and 1-Alkoxy-2-hydroxybisdialkylaminophosphino-3-chloro-1,3-butadienes. M. F. Shostakovskii, L. I. Shmonina, and I. I. Guseinov.....	672	734
Bromination of the Methyl Ester of Cyclopentanone-2-carboxylic Acid. B. A. Zaputryaev, A. M. Khaletskii, and L. D. Pimenova.....	675	737
Some Properties of N-Triptylpeptides. N. I. Gavrilov, I. P. Grigor'eva, L. N. Akimova, and V. K. Erokhin.....	678	739
Catalytic Reduction of Aromatic Nitro Compounds. X. The Effect of Phenolic Hydroxyl on the Kinetics of the Reduction of the Nitro Group in Nitrobenzene Derivatives. V. P. Shmonina, G. P. Temnikova, and D. V. Sokol'skii.....	681	743
Catalytic Reduction of Aromatic Nitro Compounds. XI. The Effect of the Carboxyl Group on the Kinetics of the Reduction of Nitrobenzene Derivatives. V. P. Shmonina, A. I. Detinenko, and D. V. Sokol'skii.....	686	749
Syntheses in the Pyrimidine Series. III. Preparation of Some Alkylaminoalkyl Pyrimidyl Sulfides and Compounds Close to Them. I. Kh. Fel'dman and G. M. Kheifets.....	691	755
The Replacement of Halogen in Azo Compounds. XIII. Replacement of Chlorine Atoms in Disazo Dyes from 3,3'-Dichlorobenzidine by Alkoxy and Aroxy Groups and the Preparation of Ethers of 4,4'-Diamino-3,3'-dihydroxybiphenyl. N. A. Rozanel'skaya and B. I. Stepanov.....	695	758
The Problem of Cyanoethylation of Aromatic Amines. P. F. Butskus.....	701	764
Reactions of Chlorine-Containing Telomers of Diene Hydrocarbons. VI. Reaction of 1-Chloro-5-methyl-, 1-Chloro-3,5-dimethyl-, and 1,3-Dichloro-5-methyloctadienes-2,6 with the Sodium Derivative of Malonic Ester. L. I. Bunina-Krivorukova and A. A. Petrov.....	704	767

CONTENTS (continued)

	PAGE	RUSS. PAGE
Investigations in the Field of Conjugated Systems. CXXXII. Chloroarylation of the Closest Homologs of Vinylacetylene (Penten-1-yne-3, Penten-3-yne-1, and 2-Methylbuten-1-yne-3). Yu. I. Kheruze and A. A. Petrov.....	708	772
Steric Hindrances in the Conjugation Chains of Polymethine Dyes. I. Quaternary Salts of 2-(p-Dimethylaminostyryl)-benzothiazoles. A. I. Kiprianov and F. A. Mikhailenko	716	781
Steric Hindrances in the Conjugation Chains of Polymethine Dyes. II. Symmetrical and Unsymmetrical Carbocyanines. A. I. Kiprianov and F. A. Mikhailenko..	721	786
Investigation of the Condensation Reaction of Phenanthrenequinone with Guanidine. D. F. Kutepov and D. N. Khokhlov	728	793
Investigation in the Field of Stereochemistry of Cyclic Compounds. XXXVII. Synthesis of 5,9-Dimethyl- Δ^5 -1,6-diketooctalin and Configuration of the Products of its Reduction. V. F. Kucherov and I. A. Gurvich.....	731	796
Stereochemistry of Cyclic Compounds. XXXVIII. Stereochemistry of the Reduction of 5,9-Dimethyl-1-ethynyl-1-hydroxy- Δ^5 -octalone-6 and Its Derivatives. I. A. Gurvich, V. F. Kucherov, and T. V. Ilyukhina	738	804
Synthesis of Some 1-Alkyl-1-phenyl-2-diethylaminoethanols-1 and Their Esters. E. M. Cherkasova and S. V. Bogatkov.....	743	810
Reaction of α -Alkyltetrahydrofurans with Silicon Tetrachloride. N. I. Shuikin, I. F. Bel'skii, and I. E. Grushko	748	815
Amines and Ammonium Compounds. XV. Thermal Decomposition of Ammonium Salts Containing 3-Chloro- or 3-Methylbuten-2-yl Radicals. A. T. Babayan and G. T. Martirosyan	752	819
Amines and Ammonium Compounds. XVI. A. T. Babayan and G. T. Martirosyan	758	825
Cyclopropanes and Cyclobutanes. XVII. Reduction of Arylcyclopropanes with Metals in Liquid Ammonia and Methanol. R. Ya. Levina, V. N. Kostin, P. A. Gembitskii, and E. G. Treshchova	762	829
Reactions of the Methylene Group of 2,2,5,5-Tetraalkylfuranidones-3. I. K. Korobitsyna, In' Chén'-le, and Yu. K. Yur'ev	768	836
Investigation in the Furan Series. XIV. Reactivity of α -Oxides of the 3,5-Endomethylene- and 3,6-Endoxocyclohexane Series. Yu. K. Yur'ev and N. S. Zefirov	772	840
Organic Insectofungicides. LVII. Synthesis and Insecticide and Fungicide Properties of Some Organic Compounds of Arsenic. K. D. Shvetsova-Shilovskaya, N. N. Mel'nikov, E. N. Andreeva, L. P. Bocharova, and Yu. N. Sapozhkov	776	845
Organic Insectofungicides. LVIII. Synthesis of Some Derivatives of Dialkoxyphosphonopropionic, Butyric, and Toluic Acids. N. N. Mel'nikov, Ya. A. Mandel'baum, and V. I. Lomakina	781	849
Organic Insectofungicides. LIX. Synthesis of Some New Oxime Derivatives. I. L. Vladimirova and N. N. Mel'nikov	784	852
Organosulfur Compounds. VII. Additions to Vinyl- and β -Chlorovinylsulphonyl Fluorides. B. M. Gladshtein, É. I. Polyanskaya, and L. Z. Soborovskii	787	855
Condensation of Vinyl Halides with Toluene and Anisole. I. P. Tsukervanik and Kh. Yu. Yuldashev	790	858
Stereochemistry of Nitrogen Heterocycles. XI. Infrared Spectra of Seven Stereoisomers of 2-Methyl-4-hydroxydecahydroquinoline. O. V. Agashkin, G. S. Litvinenko, D. V. Sokolov, and S. S. Chasnikova	794	862

CONTENTS (continued)

	PAGE	RUSS. PAGE
Oxidation-Reduction Reactions of Tertiary Hydroperoxides with Complex Molybdenum Salts. A. N. Sergeeva, V. A. Puchin, and K. N. Mikhalevich	802	871
C-Acylation of Heterocyclic Keto Enols. V. Mechanism of C-Acylation of 4-Hydroxycoumarin. R. B. Zhurin and N. S. Vul'fson	806	875
Reaction of Potassium O,O-Dialkyldithiophosphates with Aromatic Sulfonyl Chlorides. N. I. Zemlyanskii, O. A. Prib, and B. S. Drach	811	880
Synthesis of Some Formazans with a Carbohydrate Residue. R. G. Dubenko, E. F. Gorbenko, and P. S. Pel'kis	815	883
Derivatives of Aminoguanidines and Their Conversions. I. Synthesis of Acylamidoguanidines and 3-Substituted 5-Amino-1,2,4-triazoles. V. Ya. Grinshtein and G. I. Chipen	818	886
Mechanism of Catalytic Hydroxylation of Allyl Alcohol with Hydrogen Peroxide. I. V. Sulima	822	891
Esters of Phosphorus Acids with Different Radicals. I. Synthesis of Dialkyl Phosphites with Different Radicals. F. L. Maklyaev, M. I. Druzin, and I. V. Palagina	826	895
Derivatives of Phosphorous Acid. I. Esters of Salicylphosphorous Acid and Some of Their Properties. L. V. Nesterov and R. A. Sabirova	829	897
Orientation in Substitution in the Aromatic Series. VIII. Effect of a Carboxyl Group on Substitution in the Benzene Nucleus. A. A. Spryskov and L. N. Golubkin ..	833	901
Sulfonation of β -Diketones. XIV. Derivatives of 2-(p-Sulfophenyl)-indan-1,3-dione. A. Ya. Strakov, G. Ya. Vanag, and É. Yu. Gudrinietse	837	906
Nitration of 2-Benzylindan-1,3-Diones. T. T. Dumpis and G. Ya. Vanag	841	911
Synthesis of Derivatives of Phenyl Trifluoromethyl Ether. L. M. Yagupol'skii and V. I. Troitskaya	845	915
Indole Derivatives. VII. Synthesis of Some Derivatives of 1,2,3,4,4a,9a-Hexahydro- γ -carboline. N. K. Kochetkov, N. F. Kucherova, and I. G. Zhukova ..	853	924
Indole Derivatives. VIII. 9-Acyl-1,2,3,4,4a,9a-hexahydro- γ -carbolines. N. F. Kucherova, I. G. Zhukova, N. N. Kamzolova, M. I. Petruchenko, N. M. Sharkova, and N. K. Kochetkov	858	930
Indole Derivatives. X. New Synthesis of 5-Hydroxytryptophan. N. N. Suvorov, L. M. Morozovskaya, and G. M. Sorokina	864	936
Pyrazoles. XVI. Dehydrogenation of Gem-substituted Pyrazolines. I. I. Grandberg, Din Bei-ny, and A. N. Kost	869	941
Reactions of Aryldichlorophosphines with Cyclic Oxides. I. Reaction of Phenyldichlorophosphine with Ethylene Oxide. E. L. Gefter	876	949
Reactions of Aryldichlorophosphines with Cyclic Oxides. II. Derivatives of Phenyl-(β -chloroethyl)-phosphinic Acid. E. L. Gefter	880	952
Reactions of Aryldichlorophosphines with Cyclic Oxides. III. Derivatives of Phenylvinylphosphinic Acid. E. L. Gefter and I. A. Rogacheva	883	955
Studied in the Furan Series. XV. Ammoniacal Reduction of Saturated and Unsaturated Ketones of the Furan Series. A. A. Ponomarev, N. P. Maslenkava, and A. P. Kriven'ko	886	958
Radical Exchange in Organometallic Compounds. III. Exchange of Phenyl and Ethyl Radicals in Organoaluminium Compounds. I. A. Korshunov and A. P. Batalov	892	964
Furan Compounds. XVI. Preparation of Acetamidopyromucic Acid and Some of Its Derivatives. A. A. Ponomarev and M. D. Lipanova	897	970

CONTENTS (continued)

	PAGE	RUSS. PAGE
Synthesis of Aromatic Compounds of Antimony. X. Preparation of Secondary Antimonioaromatic Compounds and the Mechanism of This Reaction. A. B. Brukev	901	974
Investigation of the Mechanism of Interaction of Substituted Benzonitriles with Hydrogen Chloride and Some Nucleophilic Reagents. E. N. Zil'berman and A. Ya. Lazaris	906	980
Investigations on Furans. XIV. Synthesis of γ -Ketocarboxylic Acids and γ -Lactones from Furylalkylcarbinols. A. A. Ponomarev and V. A. Sedavkina	910	984
Synthesis of Mercaptals of Deoxyaminosugars. V. I. Veksler	914	989
Catalytic Acetylation of Some Aromatic and Heterocyclic Compounds in Presence of Perchloric Acid. G. N. Dorofeenko	918	994
Reaction of Tetraethyllead with Halohydrocarbons. G. A. Razuvaev, Yu. I. Dergunov, and N. S. Vyazankin	922	998
Stereochemical Investigations. VIII. The Photoelectric Spectropolarimeter and the Dispersion of Some Amines in the Visible and Ultraviolet Region of the Spectrum. V. M. Potapov and A. P. Terent'ev	927	1003
Cycloserine and Related Compounds. XII. 4-Sulfanilamidoisoxazolid-3-one (Sulfacycloserine). Chang Chih-p'ing, R. M. Khomutov, É. I. Budovskii, and N. K. Kochetkov	934	1011
The Synthesis of 3-(β -Aminoethyl)-indazole. N. V. Savitskaya and M. N. Shukina	938	1015
N-Oxides of the Quinoxaline Series. IV. Oxidation-Reduction Reactions of the N-Oxides of 2,3-Dimethylquinoxaline. A. S. Elina	942	1018
The Chemistry of Polymixin M. II. Quantitative Aminoacid Composition. A. B. Silaev, V. M. Stepanov, E. P. Yulikova, and G. L. Myratova	945	1023
Sarcosine Isomers and Derivatives. II. Synthesis of o-Bis-(2-chloroethyl)amino-DL-phenylalanine. M. N. Vasil'eva, E. N. Shkodinskaya, and A. Ya. Berlin	948	1027
Triterpenes in Some Plant Species. A. A. Ryabinin and L. G. Mamyuzhina . .	954	1033
LETTER TO THE EDITOR		
Reaction of Some Amino Acid Esters and Piperidine with the Trimer of Phosphonitrile Chloride. A. A. Kropacheva, L. E. Muzhina, N. M. Kashnikova, and V. A. Parshina	957	1036
DISCUSSION		
Anionic Polymerization of Caprolactam. A. S. Shpital'nyi	958	1037
On the Nomenclature of Compounds Containing the Nitrogen-Sulfur Double Bond. E. S. Levchenko and A. V. Kirsanov	961	1040

CONTENTS

	PAGE	RUSS. PAGE
Gustav Yanovich Vanag (On his 70th Birthday). É. Gudrinietse	965	1047
Layering in Ternary Reciprocal Systems of Salts of Organic and Inorganic Acids. N. M. Sokolov, N. M. Tsindrik, and O. I. Dmitrevskaya.....	971	1051
The Reduction of Some Sulfoamides at the Dropping Mercury Cathode. I. A. Korshunov and L. N. Vertyulina.....	976	1056
Polarographic Reduction of Triethyllead Hydroxide. I. A. Korshunov and N. I. Malyugina.....	982	1062
The Detachment of Hydride Hydrogen from Organic Compounds by Means of Azobenzene. A. N. Nesmeyanov and R. V. Golovnya.....	987	1067
δ -Lactones and δ -Lactams. XXIV. The Reduction of δ -Enolactones by Lithium Aluminum Hydride. The Preparation of Δ^2 -Dihydropyrans. N. P. Shusherina, I. S. Trubnikov, and R. Ya. Levina.....	994	1076
Absorption Spectra in the Ultraviolet and Visible Regions of Derivatives of Chromone- carboxylic-2 Acid. V. G. Vinokurov, V. S. Triotskaya, and V. A. Zagorevskii.....	997	1079
Ultraviolet Spectra of Hydroxy and Dihydroxybenzils. I. N. Somin and S. G. Kuznetsov.....	1000	1083
Synthesis and Investigation of 5-(2-Methylthioethyl)-5-(1-Methylbutyl)-2-Thiobarbituric Acid. N. M. Vinokurova and A. M. Khaletskii	1003	1085
Investigation of the Effect of $AlCl_3$ in a Current of Hydrogen Chloride on Certain Bromo Derivatives of Naphthalene. Z. I. Stetsura.....	1005	1088
The Synthesis of Derivatives of Thiourea. I. Aryl Thiocarbamyl Piperazines. N. B. Galstukhova and M. N. Shchukina.....	1007	1090
Researches in the Imidazole Series. X. An Improved Method of Preparing 2-Mercaptoimi- dazoles from α -Hydroxyketones. P. M. Kochergin	1010	1093
Thiazolobenzothiadiazoles and Thiazolobenzoselenodiazoles and Dyes Prepared from Them. S. G. Fridman	1013	1096
Fluoromethyl Esters of Sulfuric Acid. II. Hexafluorodimethylsulfate. G. A. Sokol'skii and M. A. Dmitriev	1023	1107
Fluoromethyl Esters of Sulfuric Acid. III. Monofluorodimethyl Sulfate. G. A. Sokol'skii and M. A. Dmitriev	1026	1110
The Synthesis of Some Organic Compounds Labeled with Deuterium and Oxygen Isotope O^{18} . I. P. Gragerov, A. F. Rekasheva, A. M. Tarasenko, A. F. Levit, and I. P. Samchenko.....	1029	1113
A Study of the Nature of the Carbon-Metal Bond by the Method of Isotope Exchange. II. Exchange of Phenyl Groups. L. M. Nazarova	1034	1119
The Synthesis of New Derivatives of 1,3,4-Oxadiazole. A. P. Grekov and E. P. Nesynov.....	1037	1122

CONTENTS (continued)

	PAGE	RUSS. PAGE
Studies in the Furan Series. XV. Stereochemistry of Addition to the C = C Bond in the 3,6-Endoxocyclohexene Series. Yu. K. Yur'ev and N. S. Zefirov	1040	1125
The Molecular Structure of the Product of Low Temperature Deamination of Melamine. A. I. Finkel'shtein	1046	1132
Studies in the Field of Conjugated Systems. CXXXIII. The Addition of Lithium Dialkylamides to Trialkylsilyl-3-Butenyne. A. A. Petrov, V. A. Kormer, and M. D. Stadnichuk	1049	1135
Studies in the Field of Conjugated Systems. CXXXIV. CO-"Dimerization" of Divinyl with Diisopropenyl. A. A. Petrov, N. P. Sopov, and I. G. Savich.....	1053	1140
Studies in the Field of Complex Lipids. The Synthesis of α -(α' -Oleoyl- β -Stearoyl)-Cephalin. N. A. Bogoslovskii, G. I. Samokhalov, and N. A. Preobrazhenskii ..	1056	1143
Synthetic Studies in the Field of Flavonoids. II. Synthesis of 3-Nitro-Flavanone. G. I. Samokhalov, M. K. Shakhova, M. I. Budagyants, A. Ya. Veinberg, L. V. Luk'yanova, and N. A. Preobrazhenskii ...	1060	1147
The Study of Hydroxydihydrofurans. VII. Condensation of 5,5-Dimethyl-2,4-Diphenyl-2-Hydroxy-2,5-Dihydrofuran with Diethyl Malonate. L. A. Pavlova and E. D. Venus-Danilova.....	1063	1150
The Preparation of γ,γ -Dimethylallyl and Isopropenylethyl Alcohols from the Condensation Product of Isobutylene with Formaldehyde. V. I. Anosov, A. M. Savostin, V. G. Pines, V. P. Milyutkina, M. A. Miropol'skaya, N. I. Fedotova, and G. I. Samokhvalov	1067	1154
Addition of Full Esters of Phosphorus and Phosphinic Acids to Conjugated Systems. XI. Reaction of Trialkyl Phosphites with p-Quinones. V. A. Kukhtin, N. S. Garif'yanov, and K. M. Orekhova	1070	1157
Synthesis of Acetals of Substituted Tetrahydrobenzaldehyde. R. I. Kruglikova, O. P. Rokachevskaya, and T. S. Sablina.....	1078	1166
Condensed Polymethylene Derivatives of Heterocycles on the Basis of Lactams. R. G. Glushkov and O. Yu. Magidson.....	1085	1173
The Chlorination of Fluorene with N,N-Dichlorobenzenesulfonamide. A. E. Kretov and V. V. Litvinov.....	1093	1183
Cyclopropanes and Cyclobutanes. XVIII. p-Cyclopropylcumene and p-Isopropenylcumene. R. Ya. Levina, V. N. Kostin, P. A. Gembitskii, S. M. Shostakovskii, and E. G. Treshchova	1096	1185
Investigations in the Field of the Chemistry of Divinylacetylene and Its Halogen Derivatives. VI. Cis-Trans Transformations of Compounds with a Deeply Screened Double Bond. A. N. Akopyan and V. S. Aslamazyan.....	1101	1190
N,N-Bis(β -Chloroethyl)-Amides of Aminocarboxylic Acids. I. The N,N-Bis(β -Chloroethyl)-Amide of Glycine and Compounds Related to It. T. S. Safonova and S. I. Sergievskaya.....	1104	1193
The Preparation of Organosilicon Derivatives of Bicyclo-(2,2,1)-Heptane. A. D. Petrov, A. F. Plate, E. A. Chernyshev, M. E. Dolgaya, N. A. Belikova, T. L. Krasnova, L. A. Leites, M. A. Pryanishnikova, G. S. Taits, and B. I. Kozyrkin	1109	1199
Anomaly in the Color of Some Meso-Phenyldibenzoxanthene Derivatives. M. V. Gorelik and L. S. Efros.....	1118	1209
Imidazole Derivatives. XXIV. Synthesis and Oxidation of 5-Chloro-6methoxy-2-Benzimid-azolinone. A. V. El'tsov and L. S. Efros.....	1123	1215

CONTENTS (continued)

	PAGE	RUSS. PAGE
Dyes with Antipyrine Nuclei. VII. Influence of Substituents on the Color and Acid-Base Properties of Dyes. O. F. Ginzburg and Chun-Sen De.....	1127	1219
Aromatic Fluoro Derivatives. IV. Replacement of Nitro Group by Chlorine in Nitrohalo Derivatives of Benzene. N. N. Vorozhtsov, Jr., G. G. Yakobson, N. I. Krizhechkovskaya, A. I. D'yachenko, and I. V. Shikanova.....	1130	1222
Aromatic Fluoro Derivatives. V. Nitration of Fluorochlorobenzenes. N. N. Vorozhtsov, Jr., G. G. Yakobson, and N. I. Krizhechkovskaya.....	1134	1227
Aromatic Fluoro Derivatives. VI. Catalytic Reduction of Aromatic Fluoronitro Compounds. N. N. Vorozhtsov, Jr., G. G. Yakobson, and L. I. Denisova.....	1137	1229
Investigations in the Field of Synthetic Dyes. XVIII. Synthesis of Isomeric Quaternary Salts of N-Aryl Quinaldinium and Their Conversions. G. T. Pilyugin and E. P. Opanasenko.....	1141	1233
Investigations in the Field of Synthetic Dyes. XXI. Styrls of Derivatives of N-Aryl Quinaldinium Quaternary Salts. G. T. Pilyugin and I. N. Chernyuk.....	1148	1240
The Beckmann Rearrangement of Oximes of Thiophenocycloalkanones. B. P. Fabrichnyi, I. F. Shalavina, and Ya. L. Gol'dfarb.....	1152	1244
The Reaction of Sulfarsazene with Lead. A. M. Lukin and G. S. Petrova.....	1161	1254
Studies of the Alkoxysilanes. XVI. The Reaction of Tetraalkoxysilanes with Ketones. M. G. Voronkov and S. M. Rabkina.....	1166	1259
Studies of Aromatic Compounds Containing a Long Side Chain. VI. Preparation of n-Sec-Alkylanilines. L. N. Nikolenko, E. N. Karpova, and L. S. Kobrina..	1172	1266
The Hydration of a Triple Bond by Means of Mercury Ions Deposited on Cation Exchangers and the Mechanism of the Reaction. S. A. Vartanyan, S. K. Pirenyan, and N. G. Manasyan.....	1176	1269
The Synthesis of α , ω -Di(2,4-Dihydroxybenzoyl)-Alkanes and Aralkanes from Dinitriles and Resorcinol. N. A. Rybakova and É. N. Zil'berman.....	1179	1272
Spectra and Halochromism of Thiophene Analogs of Triphenyl- and Diphenylcarbinol. E. F. Lavrutin, S. V. Tsukerman, and I. G. Syrovatka.....	1182	1275
Unsaturated Hydrocarbons. XIII. The Direction and Limits of Applicability of the Dehydrocyclization Reaction in the Synthesis of Polyphenyls. M. S. Shvartsberg, E. K. Vasil'ev, and I. L. Kotlyarevskii.....	1186	1278
Haloarylation of Unsaturated Compounds with Aromatic Diazo Compounds. XII. Chlorophenylation of Butadiene and Isoprene. A. V. Dombrovskii and N. I. Ganushchak.....	1191	1284
Bis(β -Chloroethyl)Aminomethylazobenzenes. II. p-Alkoxy-p'-Bis(β -Chloroethyl)Aminomethylazobenzenes and Some Analogous Compounds. A. K. Chizhov, K. V. Levshina, and S. I. Sergievskaya.....	1195	1288
Cycloserine and Related Compounds. XIII. Some 4-Aminopyrazolidones-3. É. I. Budovskii, Chzhan Chzhi-pin, and N. K. Kochetkov.....	1202	1297
Chloromethylation of Trialkylbenzylsilanes and Some Conversions of Chloromethylbenzyl-trialkylsilanes. N. S. Nametkin, A. V. Topchiev, Gu Chan-li, and N. A. Pritula.....	1208	1303
Formation of Triethylsiloxyborosiloxanes. K. A. Andrianov and M. N. Ermakova.....	1213	1310
Esters of Phosphorus Acids with Different Radicals. II. Synthesis of Dialkyl Chlorophosphates and Trialkyl Phosphates with Different Radicals. F. L. Maklyaev, M. I. Druzin, and I. V. Palagina.....	1216	1312
Synthesis of Some Derivatives of Phenyl Trifluoromethyl Sulfide and Phenyl Trifluoromethyl Sulfone. L. M. Yagupol'skii and B. E. Gruz.....	1219	1315

CONTENTS (continued)

	PAGE	RUSS. PAGE
New Reaction of Chloroacetonitrile with Hydrogen Chloride and Alcohols. E. N. Zil'berman and A. Ya. Lazaris	1224	1321
Synthesis of Esters and Other Derivatives of Carboxylic Acids from Carbon Monoxide, Olefins, and Acylating Compounds Under Acid Catalysis Conditions. V. Synthesis of Esters of Cis-Decalin-9-Carboxylic Acid from Cyclopentene and 4,7-Endomethyl- enehydrindancarboxylic Acid from 4,5,6,7,8,9-Hexahydro-4,7-Endomethyleneindene. Ya. T. Éidus, K. V. Puzitskii, and I. V. Guseva.....	1227	1324
Reaction of Sulfur Dioxide with Some Alkylene Oxides. G. A. Razuvaev, V. S. Étlis, and L. N. Grobov.....	1230	1328
Decomposition of Some Low-Molecular Polysulfites. G. A. Razuvaev, V. S. Étlis, and L. N. Grobov.....	1234	1332
Steric Hindrance in Conjugation Chains of Polymethyne Dyes. III. Anhydro Bases of Hydroxystyryl Derivatives of Nitrogen Heterocycles. A. I. Kiprianov and F. A. Mikhailenko.....	1236	1334
Cyanine Dyes with Unsaturated Substituents. VIII. Cis-Trans Isomerism of Thiacyanines with Styryl Substituents in the Benzthiazole Nuclei. M. A. Al'perovich, Yu. A. Naumov, and I. K. Ushenko	1245	1344
p-Dl(2-Chloroethyl)-Aminophenylalanine (Sarcosylsin) and Its Derivatives. VI. Amides of N-Acetylsarcosylsin and Certain Amines of the Thiazole Series. A. Ya. Berlin and V. P. Bronovitskaya.....	1255	1356
Reactions of Sulfenamides with Compounds of Trivalent Phosphorus. K. A. Petrov, N. K. Bliznyuk, and V. A. Savostenok	1260	1361
Reactions of Sulfonyl Chlorides and N-Chloroamines with Phosphorus Trichloride, Dichlorophosphines and Red Phosphorus. K. A. Petrov, A. A. Neimysheva, G. V. Dotsev, and A. G. Barich	1265	1366
Steroids. IX. The Stereospecificity of the Hydrogenation of Steroid Δ^4 -3-Keto Unsaturated Compounds. N. N. Suvorov and Z. A. Yaroslavtseva.....	1270	1372
Acyl Derivatives of Barbiturates, Hexamidine and Diphenyl Hydantoin. L. P. Kulev and A. A. Shesterova	1275	1378
The Autooxidation of Strophanthidin M. B. Gorovich, F. S. Khristulas, and N. K. Abubakirov	1279	1381
Xanthotoxin from the Fruits of the Cultivated Parsnip. N. P. Maksyutina and D. G. Kolesnikov.....	1283	1386
Investigation of Aconitic Alkaloids. XVIII. Structure of Isotalatizidine, Talatizidine, Condelphine and Monoacetylzongorine. A. D. Kuzovkov and T. F. Platonova.....	1286	1389
 LETTERS TO THE EDITOR		
Phenyl- and Diphenylphosphorus Iodides. N. G. Feshchenko and A. V. Kirsanov..	1295	1399
The Structure of Certain Organotin Polymers. G. A. Razuvaev, O. A. Shchepetkova, and N. S. Vyazankin.....	1297	1401
Anionotropic Regrouping on Reacting β -Chloropropionic Acid with Phosphoric Anhydride. R. G. Kostyanovskii	1298	1402
Vinyl- and Phenylacetylenyltropilidenes A. A. Petrov and I. A. Maretina	1299	1403
 DISCUSSION		
The Problem of Investigating Special Cases of Liquid Separation. E. F. Zhuravlev	1300	1404

CONTENTS

	PAGE	RUSS. PAGE
Academician Boris Aleksandrovich Kazanskii (On the 70th Anniversary of his birth). G. Ya. Kondrat'eva and E. A. Mikhailova	1301	1407
The Effect of the Structure of Compounds on the Kinetics and the Direction of Their Catalytic Hydrogenation. I. The Energy of Conjugation and the Kinetics of Catalytic Hydrogenation of Benzene, Pyridine, and Pyrrole. A. A. Balandin, M. L. Khudekel', and V. V. Patrikeev	1310	1416
Factors of the Partial Rate of Exchange of Deuterium in Dimethylaniline with a Solution of Potassamide in Liquid Ammonia and the Mechanism of Basic Deuterium Exchange. A. I. Shatenshtein and Yu. I. Ranneva	1317	1423
A Study of the Acid-Base Reaction between Aromatic Amines and Carboxylic Acids by the Deuterium Exchange Method. A. I. Shatenshtein, E. N. Avyagintseva, and Z. N. Ovchinnikova	1324	1432
Synthesis of Cis-1,2-di(iodomethyl)cyclobutane and Some Derivatives of Bicyclo[3.2.0]heptane. V. I. Gol'mov and Z. P. Malevannaya	1332	1440
Investigation in the Furane Series. XVI. N-(β -hydroxyethyl)furfurylamines in the Synthesis of Piperazines and Ethylenediamines Containing the Furane Ring. K. Yu. Novitskii, Yu. K. Yur'ev, A. F. Oleinik, and Yu. A. Afanas'eva	1337	1445
Chemistry of Selenophene. XXXII. β -Diketones of the Selenophene Series. Yu. K. Yur'ev and N. N. Mezentsova	1341	1449
Investigation in the Field of Antibiotic Precursor and Fragment Synthesis. IV. Thioglycolic Acid Derivatives. M. F. Shostakovskii, M. S. Rabinovich, M. M. Levitov, T. P. Verkhovtseva, E. V. Preobrazhenskaya, G. N. Kulikova, and O. A. Kalinovskii	1345	1453
Investigation in the Field of Antibiotic Precursor and Fragment Synthesis. V. Synthesis of Di- and Trihalogen Derivatives of Cyclohexenecarboxylic Acid. O. E. Kostromina, M. F. Shostakovskii, and N. E. Vasil'eva ..	1350	1458
Investigation in the Field of Antibiotic Precursor and Fragment Synthesis. VI. Derivatives of Mercaptoacetic Acid Containing Lactams. M. F. Shostakovskii, T. M. Voronkina, and F. P. Sidel'kovskaya	1354	1463
Imidazole Dicarboxylic Acid Derivatives. I. Alkylation of Amide of Imidazole-4,5- dicarboxylic Acid. N. B. Vinogradova and N. V. Khromov-Borisov ..	1357	1466
Derivatives of Imidazole Dicarboxylic Acids. II. Dimethyldiamides of 1-Alkylimidazole- 4,5-dicarboxylic Acids. N. B. Vinogradova, N. V. Khromov-Borisov, S. P. Kozhevnikov, and I. M. Livshits	1362	1471
Derivatives of Imidazole Dicarboxylic Acids. III. Dimethyldiamides of 2-Alkylimida- zole-4,5-dicarboxylic Acids. N. B. Vinogradova and N. V. Khromov-Borisov	1367	1476

CONTENTS (continued)

	PAGE	RUSS. PAGE
Investigations in the Field of the 2-(β - and γ -Pyridyl)- Δ^2 -thiazolines. II. Synthesis of 2-(α -Alkyl- γ -pyridyl)- Δ^2 -thiazolines, Their 4-Carboxylic Acids, and of (β - and γ -Pyridyl)-2-thiazolyl- Δ^2 -methanes. A. Banashek and M. N. Shchukina	1370	1479
Studies in the Field of 2-(β - and γ -Pyridyl)- Δ^2 -thiazolines. III. The Synthesis of 2-Pyridylthiazolines, Their 4-Carboxylic Acids, and Their 2-Methyl Substituents. A. Banashek and M. I. Shchukina	1374	1483
Studies in the Field of 2-(β - and γ -Pyridyl)- Δ^2 -thiazolines. V. Synthesis of Esters of 2-Thiazolyl- Δ^2 -phenyl- and Pyridylacetic Acids. A. Banashek and M. N. Shchukina	1378	1488
Studies in the Phenoxazine Series. III. Glyciny Derivatives of Phenoxazine. V. G. Samolovova, T. V. Gortinskaya, and M. N. Shchukina	1382	1492
Studies in the Phenoxazine Series. IV. Acyl Derivatives of Phenoxazine and 1-Carboethoxy-3-aminophenoxazine. G. S. Predvoditeleva and M. N. Shchukina	1387	1497
The Formation of Substituted Pyrrazoles in the Reaction of Sydnones with α, β -Unsaturated Nitriles. V. F. Vasil'eva, V. G. Yashunskii, and M. N. Shchukina	1390	1501
A Study of the Chemical Structure of the Spongy Polymer of Diisopropenyl. A. I. Spasskova and E. F. Rozanov	1394	1505
Studies in the Field of Compounds Which Contain a Three Member Oxygen Ring. XXVII. The Reactions of Ethyl Esters of Some β -Disubstituted Glycidic Acids With Hydrazine Hydrate. V. F. Martynov and I. B. Belov	1398	1509
Studies in the Field of Rhodamine Dyes and Compounds Related to Them. I. The Simplest Rhodamine, Its Preparation and Properties. I. S. Ioffe and V. F. Otten	1400	1511
A Method for Preparing Fluorine Derivatives of Phosphorus. A. Ya. Yakubovich, V. A. Ginsburg, and S. P. Makarov	1405	1517
Studies in the Field of Conjugated Systems. CXXXV. The Direction of Addition of Alkyl Hypobromites and Lithium Alkyls to Vinylpropenylacetylene. A. A. Petrov, Yu. I. Porfir'eva, and V. A. Kormer	1407	1518
Studies in the Field of the Chemistry of Organic Oxides. XIX. The Reaction of α -Oxides of Chloroprene with Ammonia and Amines. G. A. Balaev, V. M. Al'bitskaya, and A. A. Petrov	1413	1524
Synthesis of Derivatives of Dihydrofuran. A. S. Sopova, V. V. Perekalin, and Ya. S. Bobovich	1417	1528
Interaction of Ethyl Acetoacetate with β -Nitrostyrenes. A. S. Sopova and A. A. Temp	1420	1532
The Fries Rearrangement in the 2,6-Dinitrohydroquinone Series. R. P. Evstigneeva, V. M. Rzhiznikov, and N. A. Preobrazhenskii	1423	1534
Investigations on Lipides. VI. Synthesis of Triglycerides of Vegetable Oils. G. A. Serebrennikova, L. D. Smirnov, I. K. Sarycheva, and N. A. Preobrazhenskii	1426	1537
Synthetic Investigations in the Field of Curare Alkaloids. VII. Synthesis of 2-Methoxy-4-(β -acylaminoethyl)-2'-alkoxy-5'-carbalkoxymethyl Diphenyl Ethers. O. N. Tolkachev, A. B. Prokhorov, V. G. Voronin, L. N. Krivko, A. I. Lyutik, and N. A. Preobrazhenskii	1429	1540
Synthesis of 4,7,9,12-Hexadecatetrayne-1,16-dicarboxylic Acid. M. G. Pleshakov, A. E. Vasil'ev, I. K. Sarycheva, and N. A. Preobrazhenskii	1433	1545

CONTENTS (continued)

	PAGE	RUSS. PAGE
Preparation of Stable 4,5,5-Trimethyl-2-phenyl-2,5-dihydrofurylium Salts. A. Fabritsy	1436	1548
Some New Modifications of the Arbuzov Rearrangement. XII. Action of Mercuric Acetate on Trialkyl Phosphites. Ya. Levin and V. A. Kukhtin.	1440	1552
Some Dialkylmalonic Esters. Ch'ai K'un.	1442	1554
Condensation of Aldehydes and Ketones. VIII. Synthesis of 2,6-Diphenylisonicotinic Acid Based on the Diketonic Condensation of Acetophenone with Acetaldehyde. M. N. Tilichenko	1446	1558
Synthesis of Some β -Phenyl-dl-alanine Derivatives. B. L. Moldaver and Z. V. Pushkareva	1449	1560
Reaction of 1-Haloanthraquinone with Primary Aromatic Amines in Anhydrous Medium. T. N. Kurdyumova and L. E. Gordeeva	1456	1569
Synthesis of Some Derivatives of 4,5,6,7-Dibenzo-1,3-diaza-2,4,6-cycloheptatriene. Ya. A. Levin, A. P. Mokhova, and V. A. Kukhtin.	1460	1573
Monoorganosilanes. I. Synthesis of Monoorganosilanes. V. O. Reikhsfel'd	1463	1576
Reaction of Acetoacetic Ester with Benzene in the Presence of $AlCl_3$. I. P. Labunskii . . .	1467	1580
Imidazole Derivatives. XXV. 4,5-Dimethoxyl Derivatives of 2-Benzimidazolinone. A. V. El'tsov, L. S. Efros, and E. N. Glibin	1469	1581
Synthetic Dyes. XXII. Styryls from Derivatives of N-Arylquinadinium Salts. G. T. Pilyugin and I. N. Chernyuk	1473	1585
Nitration of 1-Methylantraquinone. V. Ya. Fain and Val. L. Plakidin	1476	1588
Changes in the Properties of Substances in Different Series of Chemical Compounds. III. Series of Isoperiodic Compounds. A. E. Luts'kii and E. M. Obukhova . . .	1478	1590
Changes in the Properties of Substances in Different Series of Chemical Compounds. IV. Series of Substituted Derivatives. A. E. Luts'kii and E. M. Obukhova . . .	1484	1596
N,N',N"-triethylenetriamidophosphazo Compounds and N',N",N"-triethylene-N-diamido- phosphinylareneamidines. A. A. Kropacheva, G. I. Derkach, and A. V. Kirsanov.	1489	1601
Heat Cleavage of the Phenyl Ester of Trichlorophosphazocarbonic Acid. A. V. Kirsanov and M. S. Marenets	1493	1605
Esters of Urethanphosphoric Acids. II. A. V. Kirsanov and M. S. Marenets	1496	1607
Isomeric Conversion of Sulfones of the Naphthalene Series in the Presence of Metal Halides. V. A. Koptug, T. N. Gerasimova, and V. A. Plakhov.	1500	1611
Studies of the 1,5-Diaryl-3-halo-formazan Series. II. The Synthesis of Arylazochloroacetic Acids. M. O. Lozinskii and P. S. Pel'kis	1509	1621
Synthesis of Certain 1,2- and 1,5-Glycol Ethers. S. A. Vartanyan and A. O. Tosunyan	1512	1624
Substitution of Oxygen by Sulfur in Organophosphorus Compounds. N. N. Godovikov and M. I. Kabachnik	1516	1628
Certain Derivatives of Xanthic Acids. S. M. Gurvich and R. Ya. Belova.	1519	1631
Synthesis of Thiazolidone Derivatives of Biological Interest. XIV. Thiazolidone Derivatives with a Condensed Imidazole Ring and Their Hydrolysis. N. M. Turkevich and O. F. Lyman	1523	1635
Synthesis of Luminescent Heterocyclic Compounds. E. E. Baroni and K. A. Kovyrzina	1528	1641
Synthesis of γ -Carboxybutyrolactones. I. Oxidation of α -Substituted γ -Chloroallylactic Acids by Hydrogen Peroxide in Acetic Anhydride. M. T. Dangyan and G. M. Shakhnazaryan	1530	1643

CONTENTS (continued)

	PAGE	RUSS. PAGE
Compounds of Tin Chloride and Bromide with Aniline. M. Usanovich and E. Pichugina.....	1535	1648
Radical Exchange in Organometallic Compounds. V. The Problem of the Mechanism of the Exchange Reaction. A. P. Batalov and I. A. Korshunov.....	1537	1649
Fluoromethyl Esters of Sulfuric Acid. IV. Difluoro- and Tetrafluorodimethyl Sulfates. G. A. Sokol'skii and M. A. Dmitriev	1540	1653
Synthesis of 4-Halogen Derivatives of the Lactam of 1-Amino-8-naphthoic Acid (4-Halogen Naphthostyryls) Based on Acenaphthene. A. P. Karishin and D. M. Kustol	1542	1655
The Synthesis of Halogen-Substituted Unsymmetrical Derivatives of 1,6-Diphenylhydrazodithiocarbonamide. IV. R. G. Dubenko and P. S. Pel'kis	1547	1661
Alkylation of Alkane Sulfonamides. I. Alkylation of Alkane Sulfonamides by Secondary Alcohols. S. I. Burmistrov and V. I. Markov.....	1552	1665
Reactions of Carbon Suboxide. IX. Reaction of Electrophilically Substituted Aromatic Amines with Carbon Suboxide in Aqueous Medium. L. B. Dashkevich and E. N. Kuvaeva	1555	1669
Reactions of Carbon Suboxide. X. Reaction of Carbon Suboxide with Substituted Acyclic Amines. L. B. Dashkevich and V. G. Beilin	1558	1671
Aromatic Fluorine Derivatives. VII. Preparation of Fluorobenzenes. N. N. Vorozhtsov, Jr., G. G. Yakobson, and N. I. Krizhechkovskaya	1561	1674
Syntheses Based on Tetralone Carboxylic Esters. 1. Preparation of 3-Methyl- and 1,3-Dimethyltetralone-2. N. M. Przhiyalgovskaya, V. F. Shner, and V. N. Belov.....	1565	1678
Investigation of the Mechanism for the Reaction of Phenylhydrazine with Nitroso Compounds Using N ¹⁵ . B. A. Geller and L. S. Samosvat.....	1568	1681
The Condensation of Quinoline-6-Aldehyde with Some Heterocyclic Compounds. B. P. Lugovkin	1572	1685
The Synthesis of Esters and Other Derivatives of Carboxylic Acids Under Conditions of Acid Catalysis from Carbon Monoxide, Olefins, and Acylatable Compounds. VI. Synthesis of Esters from C ₈ -C ₁₀ α -Olefins of Normal Structure. K. V. Puzitskii, Ya. T. Éidus, and K. G. Ryabova	1576	1689
A New Method of Synthesis of Esters of Phosphonic and Thiophosphonic Acids. XXXV. The Addition of Phosphorus Pentachloride to Diene Hydrocarbons and of Partial Esters of Acids of Phosphorus to Butadienylphosphonic Esters. A. N. Pudovik and I. V. Konovalova.....	1580	1693
The Ionogenic Addition of Halogens to Bis-methylene Bases of Nitrogen Heterocycles. A. I. Kiprianov and M. Yu. Kornilov	1586	1699
Synthesis of Diaryl Phosphates and Aryl Phosphonates and Some of Their Properties. K. A. Petrov, É. E. Nifant'ev, and R. F. Nikitina	1592	1705
A New Synthesis of Dialkyl Phosphates. K. A. Petrov, É. E. Nifant'ev, and T. N. Lysenko	1596	1709
Thermal Decomposition of Tetraethyl-Lead, Hexaethyldiplumbane and Their Analogs. V. Decomposition and Disproportionation Reaction of Hexaethyldistannane. G. A. Razuvaev, N. S. Vyazankin, Yu. I. Dergunov, and N. N. Vyshinskii	1598	1712
The Reaction of Benzaldehyde with Ammonia. S. V. Svetozarskii, E. N. Zil'berman, and A. I. Finkel'shtein.....	1603	1717

CONTENTS (continued)

	PAGE	RUSS. PAGE
Stereochemical Investigations. IX. The Spectropolarimetric Detection of the Tautomerism of Amides. V. M. Potapov and A. P. Terent'ev	1606	1720
Syntheses Based on Sclareole. V. Preparation of N,N-di-(2-chloroethyl)-15-amino- $\Delta^{8(20)}_{12(14)}$ - sclarodiene. D. P. Popa and G. V. Lazur'evskii	1615	1729
The Lignanes of the Junipers of the Soviet Union. A. P. Serebryakova, L. N. Filitis, and L. M. Utkin	1617	1731
 LETTERS TO THE EDITOR		
Correction to the Paper of N. K. Kochetkov, A. M. Likhoshesterov, and É. I. Budovskii "Pyrrolizidine Alkaloids. I. Synthesis of 1-Hydroxymethylpyrrolizidine (d,l-Trachel- anthamidine)". N. K. Kochetkov, A. M. Likhoshesterov, and É. I. Budovskii	1620	1735
 DISCUSSION		
The Question of the Reactions of α,β -Unsaturated Acids with Trialkyl Phosphites. Gil'm Kamai and V. A. Kukhtin	1621	1735

CONTENTS

	PAGE	RUSS. PAGE
Contributions to the Development of Chemistry Made By Georgian Scientists Over the Last Forty Years. <u>A. M. Gakhokhidze</u>	1623	I
Thermochemistry of Electrolyte Solutions. VI. Aqueous Solutions of CoCl_2 At Various Temperatures. <u>K. P. Mishchenko and E. A. Podgornaya</u>	1628	1743
The Magnetic Susceptibility of Some Molecular Compounds of Tin. I. <u>O. A. Osipov and O. E. Kashirenin</u>	1639	1755
The Stannic Chloride-o-Nitroanisole System. <u>M. Usanovich, E. Pichugina, and A. Kalistratova</u>	1643	1759
The Saponification of Full Esters of Phosphorous Acid by Pure Water. <u>M. G. Imaev</u>	1646	1762
The Saponification of Trialkyl Phosphites in the Presence of Inorganic and Organic Bases. <u>M. G. Imaev</u>	1651	1767
The Transesterification of Trialkyl Phosphites with Aliphatic Alcohols. <u>M. G. Imaev</u>	1654	1770
Enthalpy of Formation of Compounds of Manganese With the Elements of the Main Sub-Group of the Vth Group of the Periodic Table. <u>S. A. Shchukarev, M. P. Morozova, and T. A. Stolyarova</u>	1657	1773
Periodic Systems of Elements and Antielements. <u>E. I. Akhumov</u>	1661	1777
Sulfone Sulfonic Acids As By-Products in Sulfonation Processes. VI. The Possibility of the Use of the Chromato-Polarographic Method for the Quantitative Determination of the Sulfonic Acids of Naphthalene and Dinaphthyl Sulfone. <u>A. P. Shestov, N. A. Osipova and K. K. Petukhova</u>	1664	1780
Contrapolarized Systems and Color. IV. Reflection Spectra of Derivatives of N-[β -(2,4-Dinitrophenyl)-ethyl]-Aniline. <u>V. A. Izmail'skii and V. E. Limanov</u>	1671	1788
Investigations in the Field of Polymethylene Rings. (XXXVI). On The Question of the Formation of a Seven-Membered Ring Containing a Triple Bond-Cycloheptyne. <u>N. A. Domnin and R. Ch. Kolinskii</u>	1682	1799
Investigation in the Field of Compounds Containing Three-Membered Oxide Rings. XXVI. The Study of the Interaction of Aniline with the Ethyl Ester of β -Phenylglycidic Acid. <u>V. F. Martynov, G. Ol'man, T. Vindler and E. Leibnits</u>	1688	1806
Cyclopropanes and Cyclobutanes. XIX. Some Reactions of Phenylcyclobutane. <u>Yu. S. Shabarov, N. I. Vasil'ev and R. Ya. Levina</u>	1693	1812
New Synthesis of 2-Arylcyclohexen-2-ones. <u>O. P. Vig and R. Ya. Levina</u>	1698	1817
Aromatic Hydrocarbons. XIX. 2-Phenylfluorenes. <u>V. R. Skvarchenko, D. Ts. Tsybikova, and R. Ya. Levina</u>	1700	1819
Synthesis of Hydrocarbons. LXXVII. Stereoisomeric 1,3,5-Trialkyl-(0, 1, 3) ^{1,3} -bicyclohexanes. <u>R. Ya. Levina, K. S. Shanazarov, and V. N. Kostin</u>	1704	1823
Amines With Gangliolytic Activity. IV. Tertiary Aliphatic Amines With a Branched Chain. <u>A. Ya. Khorlin, L. A. Vorotnikova, and N. K. Kochetkov</u>	1708	1827
Reaction of the Triphenyl Phosphite-Bromine Complex With Ethylene Glycol and Its Derivatives. <u>N. K. Kochetkov, L. I. Kudryashov, and T. M. Senchenkova</u>	1711	1830
Synthesis of Cyclohexyl- β -Dimethylaminoethylcarbinols and Their Esters. <u>E. M. Cherkasova and G. S. Erkomaishvili</u>	1713	1832

CONTENTS (continued)

PAGE RUSS. PAGE

Synthesis of the Acetates of 3,8-Dimethyldecadiyne-4,6,-diol-3,8 and Di(1-hydroxycyclopentyl)butadiyne-1,3 and Their Catalytic Hydrogenation. <u>A. I. Nogaideli and G. M. Gonadze</u>	1718	1838
Vinylation of Diacetone-d-Galactose. <u>B. I. Mikhant'ev and V. L. Lapenko</u>	1723	1843
Asymmetric Tertiary Arsines. I. Phenylethylalkylarsines and Their Derivatives. <u>Gil'm Kamai and Yu. F. Gatilov</u>	1724	1844
Chemistry of Heterocycles. XXXIV. Synthesis and Properties of Aralkylamides of Di(2-thienyl)glycolic Acid. <u>P. A. Petyunin, M. S. Khodyreva and M. E. Konshin</u>	1727	1847
Syntheses of Vinyl Furfuryl Ether, Ethyl Furfuryl and n-Butyl Furfuryl Acetals. <u>A. G. Rychkova and R. E. Keller</u>	1729	1849
Conjugated Systems. CXXXVIII. Addition of Alkyl Hypobromites and Alkyl Hypoiodites to α -Tert-Butylbromoprene. <u>I. A. Maretina and A. A. Petrov</u>	1731	1851
Conjugated Systems. CXXXIX. Hydrogenation of Enyne Silicohydrocarbons. <u>M. D. Stadnichuk and A. A. Petrov</u>	1735	1855
Chemistry of Organic Oxides. XX. Addition of Ethylenimine and Ethanolamine to Some Oxides of Alkadienes-1,3. <u>G. A. Balaev, V. M. Al'bitskaya, and A. A. Petrov</u>	1741	1861
Ion Catalyzed Telomerization. III. New Method of Isolating Primary Allyl Halogen Derivatives From a Mixture of Isomers. Geranyl Chloride, Sesquiterpene Chlorides. <u>K. V. Leets</u>	1748	1869
Effect of the Structure of Compounds on the Kinetics and Direction of Their Catalytic Hydrogenation. II. Kinetics of Hydrogenation of Furan, Thiophene, and Ferrocene on Rhodium. <u>A. A. Balandin, M. L. Khidekel', and V. V. Patrikeev</u>	1754	1876
Catalytic Conversions of Heterocyclic Compounds. LVII. Conversion of 2-Alkyltetrahydropyrans to 2-Alkylpentamethylene Sulfides. <u>Yu. K. Yur'ev and O. M. Revenko</u>	1760	1883
Synthesis of α -Chloroisobutyric Acid. <u>G. M. Zarubinskii</u>	1763	1885
Pyrazoles. XVII. The Friedel-Crafts Reaction in the Pyrazole Series. <u>I. I. Grandberg, L. G. Vasina, A. S. Volkova, and A. N. Kost</u>	1765	1887
Pyrazoles. XVIII. Dehydrogenation of 3-Hydroxy- and 3-Aminopyrazolines with Sulfur. <u>I. I. Grandberg, Din Vai-py, V. I. Shchegolova, and A. N. Kost</u>	1770	1892
Haloarylation of Unsaturated Compounds by Aromatic Diazo Compounds. XIII. Synthesis of Some 1,4-Diarylbutadienes By Direct Arylation of α -Arylbutadienes With Arene-diazonium Chlorides. <u>A. V. Dombrovskii and N. I. Ganushchak</u>	1774	1896
Mannich Bases in the Series of 5-Hydroxynaphthofuran and 5-Hydroxybenzindole Derivatives. <u>A. N. Grinev, Shi-Tsun Hun, and A. P. Terent'ev</u>	1779	1902
Condensed Polymethylene Derivatives of Heterocycles Based on Lactams. V. Synthesis of 8,9-Tri- and Tetramethylenepurines. <u>R. G. Glushkov and O. Yu. Magidson</u>	1783	1906
1-Chloro- and 1-Methoxy-2-nitronaphthalene-4-sulfonic Acids. <u>S. V. Bogdanov and N. I. Tabachnikova</u>	1789	1912
2-Nitronaphthalene-1,4-disulfonic Acid and 2-Nitronaphthalene-4-sulfonic Acid. <u>N. I. Tabachnikova and N. N. Karandasheva</u>	1793	1916
The Nitration of 2,5-Diphenyl-1,3,4-oxadiazole. <u>A. P. Grekov and R. S. Aren</u>	1796	1919
Synthesis of Thiazane and Thiadiazane Derivatives of Biological Interest. I. 3 Aryl Derivatives of 1,3-Thiazane-2,4-dione. <u>E. V. Vladzimirskaya</u>	1798	1921
Synthesis of 5-Amino-3- β -aminoethylindazole. <u>N. V. Savitskaya and M. N. Shchukina</u>	1801	1924
Investigations On Dyes. VII. Thioindigo Dyes Containing Methylsulfonyl Groups. <u>N. S. Dokunikhin and Yu. E. Gerasimenko</u>	1803	1927
Investigations on Thioindigo Dyes. VIII. Ethoxymethylsulfonyl-Substituted Thioindigos. <u>N. S. Dokunikhin and Yu. E. Gerasimenko</u>	1807	1931
Synthesis of N-Acylindazoles and 6-Acylaminoindazoles With Furan Rings. <u>F. T. Pozharskii and N. F. Naboka</u>	1810	1934

CONTENTS (continued)

	PAGE	RUSS. PAGE
Reduction of Acetylcyclohexane Under the Conditions of the N. M. Kizhner Reaction. E. M. Tarasova and V. A. Tulupov	1812	1936
Some Transformations of Heterocyclic Systems Containing the Imidazole Ring. II. Amination of N-Alkyl-Substituted Naphtho-(1,2)-imidazoles and 6,7,8,9-Tetra- hydronaphtho-(1,2)-imidazoles A. D. Garnovskii and A. M. Simonov	1817	1941
Imines of Di- and Polyketones. VI. 2-Methyl-1,3-indandionimine Ya. F. Freimanis and G. Ya. Vanag	1820	1945
Imines of Di- and Polyketones. VII. Nitration of 2-Methyl-1,3-indandione and Its Imine. Ya. F. Freimanis and G. Ya. Vanag	1828	1954
Isotopic Exchange of Hydrogen in Bonds With a Tendency to Undergo a Condensation Re- action. T. I. Abramovich, I. P. Gragerov, and V. V. Perekalin	1836	1962
N-Arylsulfonyliminothionyl Chlorides. E. S. Levchenko and A. V. Kursanov	1841	1968
N-Arylsulfonylaryliminosulfonyl Chlorides. II. E. S. Levchenko, N. Ya. Derkach, and A. V. Kursanov	1844	1971
The Isomerization of Polymethylene Hydrocarbons Under the Influence of Aluminum Chloride. XXIV. The Isomerization of Cyclononane and Cyclodecane. M. B. Turova-Polyak, E. S. Balenkova, I. E. Sosnina, S. I. Khromov, and T. P. Yudkina	1849	1976
The Catalytic Alkylation of Bromobenzene with Propyl Alcohols. M. B. Turova-Polyak and N. V. Rudenko	1854	1982
Colored Complexes of Tetrahydrohydroxyaminofurans with Metals. O. R. Skorokhod and I. G. Tishchenko	1858	1986
Hydroxylamine Derivatives. I. Synthesis of o-Substituted Hydroxylamines. R. M. Khomutov. Synthesis and Properties of Trifluoroacrylic Acid Derivatives. A. Ya. Yakubovich and S. M. Rozenshtein	1863	1992
The Reactions of Cyanamide With Substituted Acids of the Aliphatic Series. A. E. Kretov and A. P. Momsenko	1866	1995
Halogenation of Aromatic Silanes. VIII. Preparation and Properties of Chlorine Derivatives of Phenylmethyldichlorosilane Which Contain Chlorine Atoms in the Aromatic Ring. G. V. Motsarev and V. R. Rozenberg	1871	2000
Esters of Phosphorus Acids Containing Various Radicals. III. The Synthesis of Alkylphosphonates Containing Various Radicals. F. L. Maklyaev, M. I. Druzin and I. V. Palagina	1874	2004
The Cycloalkylation of Aromatic Compounds. XVII. The Cyclohexylation of Phenanthrene and Anthracene. N. G. Sidorova and F. M. Saidova	1881	2012
Organosilicon Ethers of Oximes of Ketones, Benzaldehyde and o-Hydroxybenzaldehyde. Z. I. Sergeeva, Z. M. Matveeva and M. G. Voronkov	1883	2014
The Reactions of Ketene With Nitrogen Bases. IX. Chloroacetylation of Primary Aromatic Amines. Yu. V. Svetkin, A. N. Minlibaeva and N. A. Khafizova	1886	2017
The Reaction of Trialkylalkoxystannanes With Ketene. I. F. Lutsenko and S. V. Ponomarev . . Phosphorylated Chlorovinylketones. III. The Reaction of Phosphorus Pentachloride With Enol Esters. I. F. Lutsenko, M. Kirilov and G. A. Ovchinnikova	1890	2023
Phosphorylated Chlorovinylketones. IV. Primary Products of the Reaction of Phosphorus Pentachloride with Enol Esters. I. F. Lutsenko, M. Kirilov and G. B. Postnikova	1894	2025
Conductimetric Investigation of the Reaction of Some Nitriles With Hydrogen Chloride. E. N. Zil'berman, T. S. Ivcher, and E. M. Pereplechikova	1897	2028
Selective Reactivity of One Nitrile Group in Adiponitrile. E. N. Zil'berman, N. K. Taikova, N. A. Rybakova, and K. L. Feller	1902	2034
Synthesis of Unsymmetrical Alkoxy Derivatives of 1,6-Diphenylhydrazodithiodicarbamide. II. R. G. Dubenko and P. S. Pel'kis	1905	2037
	1908	2040
	1913	2045

CONTENTS (continued)

	PAGE	RUSS. PAGE
Investigations in the Anthraquinone Series. XXXII. Oxidative Chlorination of Anthraquinone- α -sulfonic Acid With Various Oxidants. <u>V. V. Kozlov and A. A. Davydov</u>	1917	2049
Esters of Glycoldiphosphorous Acid. <u>A. N. Pudovik and I. M. Aladzheva</u>	1920	2052
Synthesis of Aliphatic Amino Acids From Thiophene Derivatives. VI. Preparation of ϵ - and ζ -Amino Acids and C-Substituted Lactams. <u>Ya. L. Gol'dfarb, B. P. Fabrichnyi</u> <u>and I. F. Shalavina</u>	1924	2057
Infrared Absorption Spectra of Double Diazonium Salts of Bismuth and Antimony Chlorides. <u>L. A. Kazitsyna, O. A. Reutov and Z. F. Buchkovskii</u>	1930	2065
Investigation of Glucosides of Plants of the Genus <i>Erysimum</i> . I. Glucosides of <i>Erysimum</i> <i>diffusum</i> Ehrh. <u>V. A. Maslennikova, F. S. Khristulas and N. K. Abubakirov</u>	1935	2069
LETTERS TO THE EDITOR		
Relationships in the Enthalpies of Formation of Oxides and Oxychlorides. <u>B. N. Sharupin</u> <u>and I. V. Vasil'kova</u>	1941	2077
Intramolecular Rearrangement of O-Carbobenzoxyphenylalanyl-N-(glycy)-serine. <u>M. M. Botvinik and L. M. Koksharova</u>	1943	2078
Diene Syntheses with Divinyl Dienophiles Containing Sulfur. <u>M. F. Shostakovskii,</u> <u>E. N. Prilezhaeva, V. A. Azovskaya, I. Yansons, and S. Yansons</u>	1944	2079

CONTENTS

	PAGE	RUSS. PAGE
GIL'M KHAIREVICH KAMAI (on his Sixtieth Birthday). A. D. Nikolaeva and V. S. Nikolaev.....	1947	2085
Determination of the Saturated Vapor Pressure of Indium Oxide. S. A. Shchukarev, G. A. Semenov, I. A. Rat'kovskii, and V. A. Perevoshchikov	1952	2090
Study of the Structure of δ -Keto Acids by the Infrared Spectroscopy Method. Yu. A. Pentin, I. S. Trubnikov, N. P. Shusherina, and R. Ya. Levina.....	1955	2092
Vinyl Compounds in Diene Synthesis. VII. Diene Synthesis of Vinyl Ethers and Thioethers with 2,3-Dimethyl-1,3-butadiene. M. F. Shostakovskii, A. V. Bogdanova, and A. N. Volkov	1959	2096
Reaction of Primary γ -Silicon-Containing Acetylenic Alcohols with Thionyl Chloride. N. V. Komarov, M. F. Shostakovskii, and L. N. Astaf'eva	1963	2100
Fluorine- and Sulfur-Containing Derivatives of meso-3,4-Diphenylhexane. S. F. Torf and N. V. Khromov-Borisov.....	1965	2102
Studies of Adenosine-2'-phosphoamino Acid Derivatives. Yu. P. Shvachkin, M. T. Azarova, and M. A. Prokof'ev.....	1969	2107
Cyclophosphate Formation in the Adenosine-2'-phosphoamide Series. Yu. P. Shvachkin, M. T. Azarova, and M. A. Prokof'ev.....	1974	2112
Aminosulfides and Aminosulfones. XIX. Addition of o- and p-Nitrophenylmercaptans to α , β -Unsaturated Compounds. I. Kh. Fel'dman and V. N. Mikhailova ...	1977	2115
Methylolhalomalonates. A. Ya. Yakubovich and I. N. Belyaeva	1981	2119
The Problem of Trans-Enolization. I. The Effect of Solvents on Enolization of "Trans-Fixed" Ketoenols. M. I. Kabachnik, S. T. Ioffe, E. M. Popov, and K. V. Vatsuro.....	1984	2122
The Condensation of 2,2,5,5-Tetraalkyl-3-furanidones with Aldehydes of an Aromatic Character. I. K. Korobitsyna, G. V. Marinova, and Yu. K. Yur'ev ..	1991	2131
Catalytic Isomerization of Methylcyclopentane in Liquid Hydrogen Bromide. K. I. Zhdanova, V. M. Basmanova, and A. I. Shatenshtein.....	1994	2134
A Study of the Reactions of Some Alkyl- and Arylalkoxysilanes with Boric Acid. A. P. Kreshkov, D. A. Karateev, and V. Fyurst.....	1999	2139
Alkylation of Benzene, Toluene, and Xylene by 1,3-Dibromobutane. I. P. Tsukervanik and L. V. Bugrova.....	2003	2143
Cycloalkylation of Aromatic Compounds. XVIII. The Reaction of Benzene with 4-Cyclohexylcyclohexanol. N. G. Sidorova and V. Yu. Telly	2008	2149
Cycloalkylation of Aromatic Compounds. XIX. The Reaction of Benzene with 1-Cyclohexylcyclohexanol. N. G. Sidorova and N. I. Frakman.....	2013	2155
Investigation of the Exchange Between Tertiary Alcohols and the Corresponding Hydrocarbons in Presence of Sulfuric Acid. G. G. Petukhov and R. F. Galiulina.....	2016	2159
Investigations on Conjugated Systems. CXLI. Dienic Syntheses with Participation of 2-Chloromethyl-1,3-butadiene. V. S. Miklashevskaya and A. A. Petrov..	2018	2161

(continued)

CONTENTS (continued)

	PAGE	RUSS. PAGE
Studies of the Chemistry of Organic Oxides. XXI. The Combination of Phenols with Divinyl, Chloroprene and Isoprene Oxides. V. M. Al'bitskaya, A. A. Petrov, and E. M. Blyakhman	2023	2166
Studies of the Structure of Unsaturated Nitro Compounds by the Method of Dipole Moments. V. N. Vasil'eva, V. V. Perekalin, and V. G. Vasil'ev	2027	2171
A Study of the Influence of Steric Factors on Conjugation in Molecules of Unsaturated Nitro Compounds by the Method of Dipole Moments. V. N. Vasil'eva, V. V. Perekalin, and V. G. Vasil'ev	2031	2175
Studies of the Lipids. VII. The Synthesis of Some Triglycerides of Linseed and Soy Oils. T. K. Mitrofanova, E. N. Zvonkova, I. K. Sarycheva, S. P. Ivashchenko, and N. A. Preobrazhenskii	2034	2178
Studies of the Lipids. VIII. The Synthesis of α , β -Dilinolein. V. I. Shvets, L. V. Volkova, and N. A. Preobrazhenskii	2037	2181
Studies of Complex Lipids. II. The Synthesis of Unsaturated and Saturated α -Kephals. V. I. Shvets, L. V. Volkova, and N. A. Preobrazhenskii	2040	2184
Synthesis of the Methyl Ester of Indolo-(1,2:2',3')-3,4,5,6,7,8-hexahydroquinoliz-7-ylacetic Acid. R. P. Evstigneeva, E. A. Markaryan, and N. A. Preobrazhenskii	2042	2187
A New Synthesis of 1,2,4-Trimethyl-3,6-hydroquinone. I. K. Sarycheva, G. A. Serebrennikova, L. I. Mitrushkina, and N. A. Preobrazhenskii	2046	2190
A Study of Pyrrilium Compounds Having Active Methyl Groups. I. The Reaction of 2-Methyl-4,6-diphenylpyrrilium Ferrichloride and 1,2-Dimethyl-4,6-diphenylpyridinium Iodide with Benzaldehyde and p-Dimethylaminobenzaldehyde. N. V. Khromov - Borisov and L. A. Gavrilova	2048	2192
The Diene Synthesis of Alloocimene with Unsymmetrical Dienophiles. II. Synthesis of Substituted Naphthalenes from Adducts with Alloocimene. B. A. Arbuzov and A. R. Vil'chinskaya	2053	2199
The Synthesis of Isonicotinoylhydrazones of 2-Acetylfuran and 2-Methyl-5-acetylfuran. N. N. Dykhanov and L. N. Pavlov	2058	2205
Investigations in the Field of Diazo Compounds. XIII. The Diazotization of Aromatic Amines with Nitrite in Acetic Acid and Substituted Acetic Acids. V. V. Kozlov and B. I. Belov	2059	2206
Investigations in the Field of Diazo Compounds. XIV. The Diazotization of Aromatic Amines with Nitrite in Saturated Carboxylic Acids. B. I. Belov and V. V. Kozlov ...	2064	2212
Investigations in the Field of Diazo Compounds. XV. The Diazotization of Aromatic Amines with Nitrite in Hydroxycarboxylic Acids. V. V. Kozlov and B. I. Belov	2069	2217
Synthesis of N-Substituted Methacrylamides. V. N,N'-Alkylendimethacrylamides. T. A. Sokolova and I. I. Tikhodeeva	2073	2222
Synthesis of N-Substituted Methacrylamides. VI. N-Methyl dimethacrylamide. T. A. Sokolova and G. D. Rudkovskaya	2076	2224
Some New Types of Arbuzov Rearrangement. XIII. The Reaction of Trialkyl Phosphites with o- and p-Nitrobenzaldehydes. V. A. Kukhtin and K. M. Kirillova	2078	2226
Catalytic Synthesis of Halogen Derivatives of β -Arylamino ketones. N. S. Kozlov, L. Yu. Pinegina, and I. F. Popov	2084	2234
The Catalytic Synthesis of β -Arylamino ketones. N. S. Kozlov and Z. A. Abramova	2087	2236
Derivatives of Morpholine. I. The Reaction of Morpholine with 1,1,1-Tris(chloromethyl)propane and with the Trichlorohydrin of Pentaerythritol. S. Z. Kaplan and A. S. Zvontsova	2089	2239

CONTENTS (continued)

	PAGE	RUSS. PAGE
Investigation in the Field of Alkanesulfonic Acids. XXIV. Acetylation of Some Alkanesulfo- N-arylamides in the Presence of Aluminum Chloride. A. G. Kostsova, N. N. Tkachenko, and I. I. Evseeva	2091	2241
Reaction of Acrylonitrile with Diphenyl. F. M. Mandrosova and G. I. Kudryavtsev	2096	2246
Synthesis of Oxygeneous Aliphatic Disulfides. S. M. Gurvich	2098	2249
Synthesis and Properties of Alkanesulfonic Acid Dimercapto Derivatives. VI. 2-(β,β' -Di- mercaptoisopropylmercapto)ethane- and 3-(β,β' -Dimercaptoisopropylmercapto)pro- pane Sodium Sulfonate. N. M. Lysenko and V. E. Petrun'kin	2101	2252
Relation Between Structure and Properties of Dyes Derived from Benzanilide. III. Disazo Dyes from 4,4'-Diamino Derivatives of the Anilide of Phenylacetic and the Benzyl- amide of Benzoic Acids. B. M. Krasovitskii and V. B. Smelyakova	2104	2256
Direct Dyes Derived from Oxidazole and Thiodiazole. III. Comparative Studies of Isomeric Disazo Dyes Derived from 2,5-Diphenyl-1,3,4-oxdiazole. B. M. Krasovitskii, R. M. Matskevich, and N. I. Mal'tseva	2107	2259
Studies of Aromatic Alkylated Amines. III. N,N-Dimethyl-2-m-xylidine. N. I. Kudryashova and N. V. Khromov-Borisov	2110	2263
Studies of Aromatic Alkylated Amines. IV. Significance of the Steric Factor in the Quaternization of Dimethyl- and Diethylanilines. N. V. Khromov-Borisov and N. A. Zakharova	2116	2270
N ¹ -Diaroxyphosphinyl-N ² -(N ³ -arylthiocarbaminy)-arenamidines [N ¹ -Aryl-N ² -(N ³ -diaroxy- phosphinyliminoaroyl)-thioureas]. G. I. Derkach, V. A. Shokol, and A. V. Kirsanov	2120	2275
Amino Alcohols of the Acetylene Series. II. 1,1-Disubstituted 5-Dialkylaminopentynols with Various Triple Bond Positions. N. M. Libman and S. G. Kuznetsov ..	2127	2283
Investigation in the Field of Formation of Polymethyleneammonium Rings. I. Synthesis and Conversions of Several Esters of Diphenylacetic Acid. S. G. Kuznetsov and D. V. Ioffe	2133	2289
Investigations in the Field of Quinones. XXXVI. Condensation of Imines of Acetylacetone with p-Benzoquinone. A. N. Grinev, V. I. Shvedov, and I. P. Sugrobova	2140	2298
Investigations in the Field of Quinones. XXXVII. Condensation of p-Benzoquinone with Anilides of β -Aminocrotonic Acids. A. N. Grinev, V. N. Ermakova, I. A. Mel'nikova, and A. P. Terent'ev	2146	2303
Investigation of Pyrazoles. XIX. Aminopyrazoles as Amino Components in Skraup's Synthesis. Synthesis of Pyrazolopyridines. I. I. Grandberg	2149	2307
Investigation of Pyrazoles. XX. Synthesis of 5-Aminopyrazoles and Their Sulfonamide Derivatives. I. I. Grandberg, Din Wei-pi, and A. N. Kost	2153	2311
Complex-Forming Substances. VI. Synthesis of Cyclic Analogs of Cyanotriacetic and Ethylenediaminetetraacetic Acids. V. G. Yashunskii, O. I. Samoilova, and M. N. Shchukina	2158	2316
Reduction of Naphthol Carboxylic Acids. IV. Indirect Electrolytic Reduction of 2,3-Naphthol Carboxylic Acid in Water and Methanol. N. M. Przhivalgovskaya, L. N. Lavrishcheva, G. T. Mondodoev, and V. N. Belov	2163	2321
Studies in the Isoxazole Series. XII. Iodination and Bromination of Isoxazoles. N. K. Kochetkov, S. D. Sokolov, and N. M. Vagurtova	2167	2326
Indole Derivatives. XI. Synthesis of 5-Pyridazo-(4,5-b)-indole. N. N. Suvorov, Zh. D. Ovchinnikova, and Yu. N. Sheinker	2174	2333

CONTENTS (continued)

	PAGE	RUSS. PAGE
The Reaction of Triethyl Aluminum and Triphenyl Aluminum with Benzoyl Peroxide in Benzene Solution. G. A. Razuvaev, E. V. Mitrofanova, and G. G. Petukhov	2180	2340
The Oxidation of Triphenyl Aluminum and Phenyl Lithium. G. A. Razuvaev, E. V. Mitrofanova, and G. G. Petukhov	2183	2343
A Study of the Reactivity of Phenyl Lithium Using an Exchange Reaction. G. A. Razuvaev, G. G. Petukhov, R. F. Galiulina, and T. N. Brevnova	2187	2347
A Study of the Reactions of Pentaphenyl Phosphorus with Benzene Using Labeled Atoms. G. A. Razuvaev, G. G. Petukhov, and N. A. Osanova	2190	2350
The Interaction of Ethyleneiminochlorobenzoquinone-1,4 with Esters of α -Alanine. A. N. Makarova and A. Ya. Berlin	2193	2353
Derivatives of Phosphorous Acid. II. The Arbuzov Rearrangement of Esters of Salicylphosphorous Acid. L. V. Nesterov and R. A. Sabirova	2198	2358
The Synthesis of β -(9-Acridyl)-alanine and Its N-Oxide. L. B. Radira and Z. V. Pushkareva	2201	2362
Transesterification of Methylphosphonites. K. A. Petrov, É. E. Nifant'ev, and R. G. Gol'tsova	2205	2367
Transesterification of the Monoethyl Ester of Methylphosphonous Acid by Glycols. K. A. Petrov, É. E. Nifant'ev, and R. G. Gol'tsova	2208	2370
Synthesis of Dialkyl Acyl Phosphites and Alkyl Acyl Phosphonites. K. A. Petrov, É. E. Nifant'ev, I. I. Sopikova, and V. M. Budanov	2211	2373
Synthesis of Esters of Phosphorous, Phosphonous and Phosphinous Acids by Alcoholysis of Their Amides. K. A. Petrov, É. E. Nifant'ev, T. N. Lysenko, and V. P. Evdakov	2214	2377
N-Carbethoxyareneiminosulfonyl Chlorides. E. S. Levchenko, É. S. Kozlov, and A. V. Kirsanov	2218	2381
Triaryloxyphosphazo-N-arylsulfonyliminobenzoyls and N-Diaryloxyphosphinyl-N'-aryl-sulfonylbenzamidines. G. I. Derkach, G. F. Dregval', and A. V. Kirsanov	2223	2385
N-Diaminophosphinylaroylamides. G. I. Derkach, V. V. Kruzement-Prikhod'ko, and A. V. Kirsanov	2228	2391
Synthesis of β -Halopropionic Acids. A. P. Grushchuk and S. N. Baranov	2233	2396
Preparation of Alkylphenols by Rearrangement of Alkyl Aryl Aluminates. V. K. Kuskov and V. I. Sushchenya	2235	2398
Thiosulfonic Acids. VI. Syntheses and Antimicrobial Properties of Trichloromethyl and Methyl Esters of Some Thiosulfonic Acids. B. G. Boldyrev, S. A. Gorelova, and A. T. Dvorko	2238	2402
Reaction of Dichloropyruvic Acid with Primary Aromatic Amines. I. F. Spasskaya and V. S. Étlis	2242	2406
Detection of a Three-Membered Ring in Terpene Compounds by Infrared Spectra. G. V. Pigulevskii and A. I. Konokotina	2246	2410
Studies on Bases in the Bark of Hippophae rhamnoides. I. Isolation of 5-Hydroxytryptamine (Serotonin). M. F. Petrova and G. B. Men'shikov	2249	2413
Stereochemical Investigations. X. Schiff's Bases from Optically Active 2-Aminobutane. V. M. Potapov, A. P. Terent'ev, and S. P. Spivak	2251	2415
β -Alkoxyethylisopropylmalonic Esters. A. V. Bogatskii and N. A. Goryachuk	2255	2419
Glucosides of Adonis Species. I. Glucosides of Adonis chrysocyathus Hook f. et Thom. N. K. Abubakirov and R. Sh. Yamatova	2259	2424

CONTENTS (continued)

	PAGE	RUSS. PAGE
Studies of Alkaloids of the C ₁₅ Series. VII. New Alkaloids from <i>Sophora pachycarpa</i> . Ya. I. Pakanaev and A. S. Sadykov	2263	2428
LETTERS TO THE EDITOR		
Methyl- and Vinylacetylenylboric Esters. V. S. Zavgorodnii and A. A. Petrov ..	2268	2433
Triterpenes of the Bark of <i>Alnaster fruticosus</i> Ledeb. T. V. Domareva, V. F. Lopunova, A. A. Ryabinin, and I. A. Saltykova	2270	2434
Reaction of Sodioacetoacetic Ester with α -Bromo Oxides. T. I. Temnikova and B. A. Ershov	2271	2435
Liquid-Phase Hydration of Acetylene with a Copper Catalyst. S. A. Vartanyan, S. K. Pirenyan, and N. G. Manasyan	2273	2436
Reaction of Ethyleneimine with the Trimer of Phosphonitrile Chloride. A. A. Kropacheva and L. E. Mukhina	2274	2437
Reaction of Nitrosyl Chloride with Diallyl and Butadiene. K. A. Ogloblin and A. A. Potekhin	2275	2438

CONTENTS

	PAGE	RUSS. PAGE
The Influence of Certain Substances on the Solubility of Benzoic Acid in Ethyl Alcohol and 50% Aqueous Ethyl Alcohol. V. F. Sergeeva and G. P. Kaluzhinova. .	2279	2445
The Influence of Certain Substances on the Solubility of Naphthalene in Methyl Alcohol. V. F. Sergeeva and G. P. Kaluzhinova	2282	2448
Investigation of the Interaction of Zirconium Chloride with Organic Addends Containing Various Functional Groups. O. A. Osipov and Yu. B. Kletenik.	2285	2451
The Kinetics of the Dissolution of Indium Antimonide in Nitric Acid. R. L. Myuller, G. M. Orlova, and Tsui Tszin-Khua	2290	2457
The Kinetics of the Dissolution of Indium Antimonide in Hydrochloric Acid Solutions of Iron Chloride and Iodine. R. L. Myuller, G. M. Orlova and Tsui Tszin-Khua	2294	2461
An Investigation of the Properties of Aminoacids and Peptides Containing a Tertiary Nitrogen Atom. VI. A Spectrophotometric Investigation of the Copper Complexes of Some N,N-Dibenzyltripeptides and the Determination of Their Composition by the Method of Continuous Measurement (Ostromyslenskii-ZHOB). N. A. Poddubnaya, V. I. Maksimov and Ts. A. Egorov	2298	2466
Investigation of the Properties of Aminoacids and Peptides Containing a Tertiary Nitrogen Atom. VII. Comparison of the Absorption Spectra of Copper Complexes of N,N-Dibenzyltetrapeptides Containing Proline and Sarcosine. G. I. Lavrenova, N. A. Poddubnaya, V. I. Maksimov and Ts. A. Egorov.	2306	2474
Synthesis and Catalytic Decomposition of 3,4-Dihydrophthalazines. Yu. S. Shabarov, N. I. Vasil'ev and R. Ya. Levina.	2309	2478
Cyclopropanes and Cyclobutanes. XIX. Catalytic Decomposition of 3-Aryltetrahydropyridazines Containing a Nitro, Amino, or Hydroxy Group in the Para Position. Yu. S. Shabarov, N. I. Vasil'ev, and R. Ya. Levina.	2313	2482
Investigations in the Field of Sulfoxides and Sulfones. II. The Stereochemistry of the Addition of Thiols to the Triple Bonds of Diacetylene and 1-Alkylthiobut-1-en-3-ines and the Properties of the Isomeric 1,4-Dialkylsulfonylbuta-1,3-Dienes. E. N. Prilezhaeva, L. V. Tsymbal, and M. F. Shostakovskii	2318	2487
Investigations in the Field of Sulfones and Sulfoxides. III. The Comparative Reactivity of α,β -Non-substituted Sulfoxides and Sulfones with Respect to Nucleophilic Reagents. M. F. Shostakovskii, E. N. Prilezhaeva, L. V. Tsymbal, R. Ya. Tolchinskaya, and N. G. Starova	2326	2496
Studies of the Synthesis and Reactions of Unsaturated Organo-Silicon Compounds. The Reaction of γ -Silicon-Containing Acetylene Chlorides with Sodium Acetoacetic and Sodium Malonic Esters. M. F. Shostakovskii, V. P. Kuznetsova and N. V. Komarov	2333	2504
Salts of Dialkylthiophosphoric Acids. V. G. Pesin and A. M. Khaletskii	2337	2508
Salts of Dialkylthiophosphoric Acids. II. The Properties of Di-(β -Chloroethyl)-Phosphorus Acid. V. G. Pesin and A. M. Khaletskii	2344	2515
Salts of Dialkylthiophosphoric Acids. III. The Reactivity and Structure of Salts of Diethylthiophosphoric Acid. V. G. Pesin and A. M. Khaletskii	2347	2518

CONTENTS (continued)

	PAGE	RUSS. PAGE
Salts of Dialkylthiophosphoric Acids. IV. Reactions of Salts of Dialkylthiophosphoric Acids with Aromatic and Heterocyclic Halogen Derivatives. V. G. Pesin, A. M. Khaletskii, and I. G. Vitenberg	2351	2522
Synthesis and Reactions of Glycols of the δ-Series. 1. A Study of the Reactions of 2,3,6-Trimethyl-5-ketoheptene-3-diol-2,6. T. A. Favorskaya and Z. A. Shevchenko ..	2355	2526
Tertiary Trihydric Alcohols of the Acetylenic and Olefinic Series and Their Conversion Reactions. XXIII. Oxidation with Peroxyacetic Acid of Olefinic 1,2,5-Triols-2,3,6-Trimethyl-4-Heptene-2,3,4-Triol; 3,4,7-Trimethyl-5-Octene-3,4,7-Triol; 5-Methyl-2-(1-Hydroxycyclohexyl)-3-Hexene-2,5-Diol; and 2,4-Di(1-Hydroxycyclohexyl)-3-Buten-2-ol. V. I. Nikitin and M. M. Tulyaganov	2362	2534
Tertiary Trihydric Alcohols of the Acetylenic and Olefinic Series and Their Conversion Reactions. XXIV. Oxidation with Peroxyacetic Acid of 1,2,5-Triols of the Olefinic Series-2,3,6-Trimethyl-4-Octene-2,3,6-Triol; 3,4,7-Trimethyl-5-Nonene-3,4,7-Triol; and 5-Methyl-2-(1-Hydroxycyclopentyl)-3-Hexene-2,5-Diol. V. I. Nikitin and M. M. Tulyaganov ..	2366	2538
Properties of 4-Hydroxymethylene-2,2,5,5-Tetraalkyl-3-Furanidones. I. K. Korobitsyna, I. I. Popova, N. N. Gaidamovich, and Yu. K. Yur'ev	2370	2542
Furanidinobenzopyrylium Salts. I. K. Korobitsyna, Yin Ch'ên-lê, and Yu. K. Yur'ev	2376	2548
Investigations on Conjugated Systems. CXLI. Addition of Hydrogen Bromide to Butynone and Vinylacetylenic Ketones. V. D. Nemirovskii, L. G. Chelpanova, and A. A. Petrov	2380	2552
Studies of Conjugated System. CXLII. The Addition of Triphenylmethyl Radicals to Vinylacetylene and Its Homologs. Yu. I. Kheruze and A. A. Petrov	2386	2559
Some Properties of Enol Acetates. VII. The Enol Acetate of Cyclobutanone and Its Conversion to α-Alkylcyclobutanones. I. V. Machinskaya, G. P. Smirnova and V. A. Barkhash	2390	2563
The Synthesis of Compounds Containing Residues of Folic Acid. 1. The Synthesis of Some Synthesis of Some Derivatives of Glutamic Acid. L. V. Alekseeva and Z. V. Pushkareva	2394	2572
Hydroxy-Derivatives of γ-Pyrone. IV. The Preparation of Esters of 5-Hydroxy-γ-Pyrone-2-Carboxylic (Comenic) Acid. G. A. Garkusha and G. A. Khutornenko	2400	2573
ω-Dialkylaminoalkyl Esters of 3,4,5-Trimethoxybenzoic Acid. II. V. M. Solov'ev, A. P. Arendaruk and A. P. Skoldinov	2405	2577
Chemistry of Fluorene. I. New 2,3,7-Derivatives of Fluorene. A. E. Kretov and V. V. Litvinov	2412	2585
Isomerism of N-Arylmaleimides. A. E. Kretov, N. E. Kyl'chitskaya, and A. F. Mal'nev	2415	2588
Synthesis and Transformations of (N-Benzoylpyrrolidon-2-Yl-5)-Acetic Acid. Preparation of Derivatives of β-Amino adipic Acid Through the β-Carboxyl Group. B. V. Kleev Yu. I. Smushkevich, and A. E. Gol'dovskii	2421	2595
The Absorption Spectra and Structures of Glutaconic Aldehyde Dianils. N. E. Grigor'eva, L. P. Kruglyak, and L. I. Shcherbakova	2425	2599
Studies in the Series of Alkylated Amines of the Aromatic Series. V. Preparation of Primary-Quaternary Alkylated Derivatives of p-Phenylenediamine. N. A. Zakharova and N. V. Khromov-Borisov	2430	2604
The Synthesis of Polymethylene-Bis-Quinuclidinium Halides. E. E. Mikhlin, V. Ya. Vorob'eva, and M. V. Rubtsov	2435	2609
Studies in the Field of Monoorganosilanes. II. The Reactivity of Monoorganosilanes in Reaction with Alcohol. V. O. Reikhsfel'd and V. A. Prokhorova	2439	2613

CONTENTS (continued)

	PAGE	RUSS. PAGE
Compounds with Potential Antituberculosis Activity. II. N-Substituted Thioamides of Thiazol-carboxylic Acids. I. V. Lebedeva, T. P. Sycheva, and M. N. Shchukina .	2444	2618
Alkylaminoethyl Esters of Benzilic and Diphenylacetic Acids. S. G. Kuznetsov	2449	2623
A Study of the Mechanism of the Autooxidation of Polyalkylbenzenes Liquid Phase Auto-Oxidation of Isopropyl-O-Xylenes. R. N. Volkov and S. V. Zavgorodnii	2454	2629
The Stability of the 2,3-Dioxo- γ -Lactone Ring. L. A. Mai	2460	2635
Kinetics of the Lactonization of Diastereoisomeric Tetrahydroxyadipic Acids. L. A. Mai	2465	2640
Syntheses in a Series of Isoxanthine Derivatives. VI. Halogen Derivatives of (Isocaffeine-8)-Malonic Ester. E. S. Chaman and E. S. Golovchinskaya	2470	2645
Reactions of Cyclic Esters of Phosphorous Acid with α -Haloketones. A. N. Pudovik, G. P. Medvedeva, and V. I. Kochetkova	2475	2650
New Synthetic Method for Esters of Phosphinic and Thiophosphinic Acids. XXXVIII. Synthesis of Esters of Unsaturated Phosphinic and Thiophosphinic Acids. A. N. Pudovik, I. V. Konovalova, and O. S. Durova	2480	2656
Studies in the Naphthalene Series. XXI. The Action of Ammonia on Naphtholates and Some Naphthol Ethers. V. V. Kozlov and I. K. Veselovskaya	2485	2662
Free Radical Reactions of Bis(Cyclopentadienyl)Diphenyltitanium. G. A. Razuvaev, V. N. Lamyayeva, and L. I. Vyshinskaya	2490	2667
Free Radical Reactions in Solutions. XVIII. The Relative Activity of Free $\text{CH}_3\cdot$ and $(\text{CH}_3)_3\text{CO}\cdot$ Radicals in the Removal of a H Atom from Hydrocarbons. V. Ya. Bogomol'nyi, B. L. Erusalimskii, and E. I. Pokrovskii	2497	2675
The Problem of Trans-Enolization. II. The Influence of Solvents on the Trans-Enolization of α -Alkylacetoacetic Esters. M. I. Kabachnik, S. T. Ioffe, E. M. Popov, and K. V. Vatsuro	2503	2682
Association and Dependence on Concentration of Properties of Binary Mixtures of Organic Compounds. III. Mixtures of Isoperiodic Compounds. A. E. Lutskii and E. M. Obukhova	2512	2692
Association and Dependence on Concentration of Properties of Binary Mixtures of Organic Compounds. IV. Compounds with Close Dipole Moments of the Molecules. A. E. Lutskii and E. M. Obukhova	2522	2702
Isoquinoline Compounds. II. Derivatives of an Isomer of Salsoline. I. T. Strukov	2528	2709
The Chemistry of Polymyxin M. III. A Partial Hydrolysis of Polymyxin M. A. B. Silaev, V. M. Stepanov, E. P. Yulikova, and G. L. Muratova	2531	2712
The Chemistry of Polymyxin M. IV. The Synthesis and Properties of Some Potential Fragments of Polymyxin M. A. B. Silaev, V. M. Stepanov, and L. V. Kozlov	2535	2716
Quinone Oxime-Arenesulfonates. E. A. Titov and S. I. Burmistov	2539	2721
The Synthesis and Properties of Organosilicon Complex Diesters. D. N. Andreev and V. P. Lyutyi	2543	2726
Reactions of Phosphines. I. Reactions of Primary Aliphatic Phosphines with Aldehydes and Ketones. K. A. Petrov and V. A. Parshina	2547	2729
Study of the Chemical Properties of the Acid Diester of Methylphosphonous Acid and Ethylene Glycol. K. A. Petrov, É. E. Nifant'ev, R. G. Gol'tsova, and G. V. Gubin	2549	2732
X. On By-Products of the Reformatskii Reaction. G. S. Grinenko, V. I. Maksimov, and V. I. Aksenova	2553	2735
Substituted Arylamides of Dithiocarboxylic Acids. II. Synthesis of Halo-, Sulfo-, and Carboxy-N-Phenyldithiooxamides. A. D. Grabenko and P. S. Pel'kis	2557	2739
Fluoromethyl Esters of Sulfuric Acid. V. Interaction of Fluoromethyl Ethers and Sulfuric Anhydride. G. A. Sokol'skii and M. A. Dmitriev	2561	2743

CONTENTS (continued)

	PAGE	RUSS. PAGE
Amides of Aromatic Sulfonic Acids. II, Mixed Diarylsulfonamides and Their Hydrolysis. N. N. Dykhanov	2565	2748
N-Substituted 1,2,3,4-Tetrahydroquinolines. F. Yu. Rachinskii, N. M. Slavachevskaya and L. K. Sovalkova	2568	2751
Some Derivatives of Pyrazolidone-3. R. B. Zhurin, O. E. Lishenok, V. L. Abritalin and N. I. Simonova	2573	2758
Reduction of Naphthol Carboxylic Acids. V. Indirect Electroreduction of 2-Naphthol-1- Carboxylic Acid. L. N. Lavrishcheva, N. M. Przhiyalgovskaya, and V. N. Belov	2576	2762
Synthesis of Acetals Based on the Vinyl Ethers of n-Butyl- and Crotylethanols. V. I. Mikhant'ev and E. A. Pryazhina	2580	2766
Investigations in the Field of Polymethylene Rings. XXXVII, Conversions of Polyhalogeno- Substituted Derivatives of Cyclopentane. N. A. Domnin, N. V. Obeshchalova and R. Ch. Kolinskii	2582	2768
Rearrangements of Triazens. I. The Rearrangement of Unsymmetrical Triazens into Aminoazo Compounds. V. M. Berezovskii and L. S. Tul'chinskaya	2587	2774
An Investigation in the Alloxazine- and Isoalloxazine Series. II, A New Synthesis of Compounds of the Alloxazine Series. V. M. Berezovskii and L. S. Tul'chinskaya	2592	2779
Chromatographic and Electrophoretic Investigation of the Formation of Folic Acid and Some Simple Pteridines. V. M. Berezovskii, A. M. Yurkevich, and I. K. Krivosheina	2595	2782
Study of the Polarographic and Adsorption Properties of Benzoyl Derivatives of Some Barbiturates. K. R. Voronova, and A. G. Stromberg	2599	2786
LETTERS TO THE EDITOR		
The Conversion of 5-Phenylpyrazoline to 3-Phenylpyrazoline. I. I. Grandberg	2605	2793
Chloromethylated 2-Pyrones. N. P. Shusherina, N. D. Dmitrieva, and R. Ya. Levina	2606	2794

CONTENTS

	PAGE	RUSS. PAGE
A. M. Butlerov—An Outstanding Russian Chemist. A. E. Arbuzov	2611	2797
Investigation of Calcium Peroxotung States I. G. A. Bogdanov and N. A. Korotchenko.....	2621	2812
Investigation of Calcium Peroxotung States. II G. A. Bogdanov and N. A. Korotchenko.....	2626	2817
Diamagnetic Susceptibility of Internal Complexes of Molybdenum. V. V. Zelentsov....	2631	2823
Synthesis of Some Guanyls of Sulfonic Acids. D. F. Kutenov, D. N. Khokhlov, and V. L. Tuzhilkina.....	2633	2825
Preparation of Substituted Acids Through the Furan Derivatives. V. Synthesis of D, L-Proline. A. P. Terent'ev, R. A. Gracheva, and L. M. Volkova...	2634	2826
Aromatic Hydrocarbons. XX. Chrysene. V. R. Skvarchenko, Lin Veen-lyan', and R. Ya. Levina.....	2636	2828
An Investigation of the Stereochemistry of Cyclic Compounds. V. F. Kucherov, I. M. Mil'shtein and I. A. Gurvich.....	2639	2832
Derivatives of Indole. XII. The Synthesis of 1-(D- β -glucopyranosyl)-Indole. N. N. Suvorov, and M. N. Preobrazhenskaya.....	2646	2839
The Synthesis of Thiophene Analogs of Di- and Trimethoxychalcones and Their Vinylogs. V. F. Lavrushin, S. V. Tsukerman, and V. M. Nikitchenko.....	2651	2845
Heterocyclic Compounds. Synthesis of Benzoates of γ - and β -Isomers of 1-(1-Phenyl-1- Propenyl)-2,5-Dimethyl-4-Ethynyl-4-Piperidol. A. Sh. Sharifkanov and T. G. Sarbaev.....	2656	2851
Cyanine Dyes with Unsaturated Substituents. IX. Carbocyanines and Merocyanines containing Phenylacetylenyl Radicals. I. K. Ushenko.....	2659	2854
Investigations in the Field of the Chemistry of Cyanine Dyes. XVII. Synthesis of Aryl- benzothiazoles and Preparation of their Thiacyanocyanines. I. K. Ushenko.....	2666	2861
Investigations in the Field of the Chemistry of Cyanine Dyes XVIII. Condensation of Aromatic and Alicyclic Ketones with Quaternary Salts of 2-Methylbenzothiazole, and Conversion of the Resulting Compounds into Cyanine Dyes. I. K. Ushenko.....	2673	2869
Preparation of 1-Hydroxyhexadecanoic Acid by a "Crossed" Electrocondensation Method. III. Electrocondensation of Monoesters of Azelaic Acid with Acyl Derivatives of 9-Hydroxynonanoic Acid. G. E. Svadkovskaya, N. P. Solov'eva, E. K. Smol'yaninova, V. N. Belov, and S. A. Voitkevich.....	2679	2877
Fluorene Chemistry. II Friedel-Crafts Acylation of Fluorene with Maleic Anhydride. A. E. Kretov and V. V. Lutvinov.....	2682	2880
Asymmetric Tertiary Arsines. II. p-Tolylethylalkylarsines and their Derivatives. Gil'm Kamai and Yu. F. Gatilov.....	2685	2882
Study of the Reaction of Propylene Oxide with Cyanamide. II. A. E. Kretov and I. S. Matveev.....	2688	2885
Transesterification of Dialkylphosphinous Acid Esters with Glycerine Derivatives. K. A. Petrov., E. E. Nifant'ev and L. V. Khorkhoyanu.....	2692	2889
Conjugation Factors in Cyclic Systems. III. Some Spectral Rules for a Series of Isomeric Cyclohexadiene-1,2-dicarboxylic Acids and Their Derivatives. V. F. Kucherov, N. Ya. Grigor'eva, and T. M. Fadeeva.....	2696	2894

CONTENTS (continued)

	PAGE	RUSS. PAGE
Investigation in the Furan Series. XVII. Synthesis of Amino Alcohols of the 3,6-Endoxy-cyclohexane Series. Yu. K. Yur'ev, N. S. Zefirov and R. A. Osadchaya	2700	2898
Reactions of Aromatic Nitro Compounds XI. Investigation of the Re-Esterification Reaction by the Isotopic Method. S. S. Gitis, M. O. Tereshkevich, L. I. Garus, A. I. Glaz and O. K. Skarre	2704	2902
Investigations in the Field of Diacyl Peroxide. L. Synthesis and Properties of Unsymmetrical Diacyl Peroxide. Yu. A. Ol'dekop, A. N. Sevchenko, I. P. Zyat'kov, G. S. Bylina and A. P. El'nitskii	2706	2904
The Reduction of Naphthol Carboxylic Acids. VI. Preparation of the Methyl Ester of 2, 1-Tetralone Carboxylic Acid L. N. Lavrishcheva, N. M. Prizhiyalgovskaya, and V. N. Belov	2712	2911
Synthesis and Study of Heterocyclic Derivatives with Potential Anticancer Activity. I. Some Derivatives of m-Phenanthroline. Z. V. Pushkareva and V. N. Konyukhov	2715	2914
The Synthesis of Substances which Contain Fragments of Folic Acid. II. The Dipeptide of the Diethyl Ester of d, 1-Glutamic Acid and β [D-Bis (8'-Chloroethyl) Aminophenyl] - α -Alanine. L. V. Alekseeva and Z. V. Pushkareva	2719	2918
The Synthesis of Sodium Tetraphenylboron in a Tetrahydrofuran Medium. Kh. R. Kozlova and V. A. Pal't.	2723	2922
The Condensation of 1-(α -Furyl)-3-Methyl-1,3-Butadiene with Maleic Anhydride. A. A. Arsenyuk	2725	2924
The Synthesis of Asymmetric Ion Exchange Resins Based on L-Tyrosine. N. V. Kromov-Borisov and S. P. Kozhevnikov	2728	2926
Azomethine Dyes which Contain A Phosphonic Group. M. G. Imaev	2732	2930
The Synthesis of Some Mixed Trialkyl Thiophosphates and Alkylaryl Phosphites. M. G. Imaev and R. A. Faskhutdinova	2736	2934
Preparation of Ethyl Esters of β -Methylene-b-Acylpropionic Acids and Related Compounds. V. B. Piskov	2739	2937
Alkylation of Arenesulfamides by 2-Butanol. S. I. Burmistrova, V. I. Markov, and G. E. Krakovtseva	2743	2941
Double Diazonium Salts of Chlorides of Bivalent Cobalt and Copper. L. A. Kazitsyna, O. A. Reutov, and Z. F. Buchkovskii	2751	2943
Infrared Absorption Spectra of Double Salts of o- and m-Substituted Aryldiazonium Chlorides with Metal Chlorides. L. A. Kazitsyna, O. A. Reutov, and B. S. Kikot'	2751	2950
Investigations on Conjugated Systems. CXLIII. The Direction of Hydration of Alkylphenylacetylenes. B. S. Kupin and A. A. Petrov	2758	2958
Reactions of Chlorine-Containing Telomers of Dienic Hydrocarbons VII. Reaction of 1-Chloro-5-Methyl-, 1,3-Dichloro-5-Methyl- and 1-Chloro-3,5-Dimethyl-2, 6-Octadienes with Sodium Acetylacetone. L. I. Bunina-Krivorukova and A. A. Petrov	2765	2965
Investigations on Dipyrromethenes III. Synthesis of Meso-substituted Dipyrromethenes. E. I. Filippovich, R. P. Evstigneeva, and N. A. Preobrazhenskii ...	2768	2968
Studies in the Dipyrromethene Series. IV. Synthesis of Unsymmetrical Dipyrromethenes. R. P. Evstigneeva, L. I. Arkhipova, and N. A. Preobrazhenskii ...	2771	2972
Studies in the Dipyrromethene Series. V. Infrared Absorption Spectra of Meso-Substituted Dipyrromethenes. L. D. Miroshnichenko, R. P. Evstigneeva, E. I. Filippovich, and N. A. Preobrazhenskii	2774	2975

CONTENTS (continued)

	PAGE	RUSS. PAGE
Synthetic Studies in the Vitamin B ₆ Group II. Synthesis of 2-Methyl-3-Hydroxy-4-Amino- methyl-5-Hydroxymethylpyridine. M. V. Balyakina, E. S. Zhdanovich, and N. A. Preobrazhenskii.....	2781	2983
Lipides. IX. Synthesis of Some Triglycerides of Soybean Oil. T. K. Mitrofanova, I. K. Sarycheva, S. P. Ivashchenko, Yu. B. Pyatnova, G. A. Serebrennikova, and N. A. Preobrazhenskii.....	2783	2984
The Ultraviolet Spectra and Structure of Diphenyl Ethers. O. N. Tolkachev, Yu. S. Tsizin, M. A. Belousova, and N. A. Preobrazhenskii.....	2785	2987
Concerning Color in the Series of 2-Chromonecarboxylic Acid Derivatives. V. G. Vinokurov, V. S. Troitskaya, and V. A. Zagorevskii	2790	2991
Sulfo Esters of Sterols and Their Transformations. A. M. Khaletskii and M. V. Vasil'eva.....	2794	2996
Investigations on the Chemistry of 2,1,3-Thia- and Selenadiazole. XII. Synthesis and Study of Pyrimido-2, 1,3-Selenadiazole Derivatives. V. G. Pesin, A. M. Khaletskii, and L. V. Zolotova-Solotukhina	2798	3000
Synthesis and Study of Some 5,5-Dialkylaminoalkyl Derivatives of Barbituric and Thiobarbituric Acids. L. S. Zonis, A. M. Khaletskii, and V. G. Pesin.....	2801	3004
Synthesis of the Collagenase Substrate—Methyl Ester of Carbobenzoxy-L-Prolyl-L- Alanylglycyl-L-Proline. K. T. Poroshin, V. G. Debabov, V. A. Shibnev, and T. D. Kozarenko	2803	3006
Tin and Lead Organic Derivatives of Nicotinic Acid. D. A. Kochkin and I. B. Chekmareva	2807	3010
The Reaction of α -Hydroxyacids with Phosphorus Trichloride. E. V. Kuznetsov, E. B. Kamaeva, R. K. Valetdinov, and A. I. Roikh.....	2809	3013
The addition of Dialkylphosphorous Acids to 1,6-Hexamethylene Diisocyanate. E. V. Kuznetsov and M. I. Bakhitov.....	2811	3015
The Effect of Catalysts and Period of Illumination on the Photo-synthesis of Amino Acids in a Mixture of Paraformaldehyde and Potassium Nitrate. K. Bahadur and R. B. Srivastava.....	2813	3017
Dichloroperfluorodiviny Sulfide and Sulfides with Monofluorochloro-ethyl groups. N. N. Yarovenko and A. S. Vasil'eva	2816	3021
The Synthesis and Reactions of Methylol Amines of Unsaturated Acids. I. A. Arbuzova and I. K. Mosevich.....	2819	3023
Fluoromethyl Esters of Sulfuric Acid. VI. Alkylation of Fluoro-substituted Dimethylsulfates. G. A. Sokol'skii and M. A. Dmitriev.....	2821	3025
Alkylation and Arylation of Yellow Phosphorus. K. A. Petrov, V. V. Smirnov, and V. I. Emel'yanov.....	2823	3027
Studies in the Naphthalene Series. XXII. Amination of Dyhydroxynaphthalenes. V. V. Kozlov and I. K. Veselovskaya.....	2826	3030
Studies in the Naphthalene Series. XXIII. The Oxidative Nitration of α -Selenocyanonaphtha- lene and α,α' -Naphthalene Diselenide. V. V. Kozlov and S. E. Suvorova ..	2829	3034
The Synthesis of Unsaturated Ketones which Contain the Furan Ring. V. F. Lavrushin, S. V. Tsukerman, and A. I. Artemenko	2832	3037
The Mechanism of the Formation of 2-Phenyl-2-Hydroxy-1,3-Indandione from Dibrom- benzalphthalide. L. A. Shchukina	2835	3041

CONTENTS (continued)

PAGE RUSS.
PAGE

Stereochemical Investigations. XI. Amides of Optically Active α -Phenylethylamine with Substituted Benzoic Acids. V. M. Potapov, V. M. Dem'yanovich and A. P. Terent'ev.	2839	3046
o-Aminophenylvinyl and p-Aminophenylvinyl Ethers. B. I. Mikhant'ev and V. B. Mikhant'ev.	2843	3050
Preparation of Aminoalkyl Esters of Benzilic Acid. D. V. Ioffe and S. G. Kuznetsov.	2845	3051
Synthesis of Thiazole Derivatives. XVI. New Hydroxyalkyl-2-Methylbenzthiazoles. V. M. Zubarovskii, T. M. Verbovskaya and A. I. Kiprianov.	2849	3056
Acyl Chloride of Isocyanato Phenyl Phosphinic Acid. V. I. Shevchenko, A. S. Shtepanek and A. V. Kirsanov.	2854	3062
Investigation of Bimolecular Alkylidenearylamines. VII. Structure of "Eibner's Base". L. P. Zalukaev and L. Ya. Spitsina.	2858	3067
Hydrogen Bond and Solvatochromism of Some Cyanine Dyes. L. K. Mushkalo and Z. I. Shokol.	2861	3069
Diethylenimides of β -Aminoethylphosphinic and Thiophosphinic Acids. II. K. A. Petrov, A. I. Gavrilova, V. K. Shatunov, and V. P. Korotkova.	2867	3076
Diethylenimides of Alkyl and Alkenylthiophosphinic and Phosphinic Acids and Some of Their Properties. I. K. A. Petrov, A. I. Gavrilova, V. K. Shatunov, and V. P. Korotkova.	2872	3081
Transesterification of Esters of Dialkyl- and Diarylphosphinous Acids. K. A. Petrov, E. E. Nifant'ev, L. V. Khorkohoyanu, and A. I. Trushkov.	2876	3085
On the Mechanism of Lactone Formation in the Liquid-Phase Autoxidation of Certain Polyalkylbenzenes. R. N. Volkov and S. V. Zavgorodnii.	2880	3090
Investigation of Certain Properties of Alkylchlorosilanes in An Acetonitrile Medium. A. P. Kreshkov, V. A. Drozdov, and S. Kubiak.	2888	3099
Synthesis of Alkylphenols by Rearrangement of Alkylphenylborates in the Presence of Ion Exchange Resins. V. K. Kuskov and A. G. Kostrykina.	2892	3104
Synthesis and Study of Organostannoxanes. I. S. M. Zhivukhin, E. D. Dudikova, and V. V. Kireev.	2895	3106
Intramolecular Conversions of N-Acyl Derivatives of α, γ -Diaminobutyric Acid. A. B. Silaev, G. S. Katrukha, and H. A. Kyz'mina.	2900	3111
The Effect of Ionizing Radiation on Carbohydrates. I. The Problem of Formaldehyde and 1,3-Dihydroxyacetone Formation during Gamma-Ray Irradiation of Aqueous Glucose, Fructose, and Maltose Solutions. S. V. Starodubtsev, M. P. Tikhomolova, E. L. Aizenshtat, and K. Tashmukhamedova.	2903	3115
Substituted Lactones and Their Conversions. I. Condensation of γ -Heptylbutyrolactone with Aldehydes and Ketones. V. M. Dashunin, R. V. Maeva, and V. N. Belov.	2906	3118
The Mechanism of the Reaction of Uric Acid with Acetic Anhydride. V. I. Khmelevskii.	2910	3123

CONTENTS (continued)

	PAGE	RUSS. PAGE
Synthesis in the Phenothiazine Series. VI. Amines of the Phenothiazine Series. S. V. Zhuravlev and V. A. Skorodumov	2915	3129
Radical Reactions of Percarbonates. II. Decomposition of Dicyclohexylperoxydicarbonate in Benzene and Acetic Acid in the Presence of Metals and Metal Salts. L. M. Terman and G. A. Razuvaev	2918	3132
The Absorption Spectra of Certain Thiopyridones in Pyridyl Sulfides. V. S. Korobkov, A. V. Voropaeva, and I. Kh. Fel'dman	2922	3136
LETTERS TO THE EDITOR		
A New Type of Condensation of 2-Hydroxy-2,5-Dihydrofuranes. V. I. Serkova, A. A. Antonova, and E. D. Venus-Danilova	2926	3141
Reaction between the Oxide of Erucic Acid Methyl Ester and Acetic Acid. I. L. Kuranova, Yu. D. Shenin, and G. V. Pigulevskii	2928	3142
Determination of the Structure of Abienol. G. V. Pigulevskii, V. G. Kostenko, and L. D. Kostenko	2929	3143
Addition of Compounds of Trivalent Phosphorus Containing a P-Cl Bond to Diene Hydro- carbons. N. A. Razumova and A. A. Petrov	2930	3144

CONTENTS

	PAGE	RUSS. PAGE
The XXII Congress of the Communist Party of the Soviet Union	2937	3149
The Dielectric Permeability of Two-Liquid Systems Consisting of Polar Components. O. A. Osipov, M. A. Panina, O. E. Kashirenov, G. V. Nemirov, and I. K. Shelomov.	2941	3153
Polarographic Studies of Some Oxazoles. V. D. Bezuglyi and N. P. Shiman- skaya	2948	3160
A Study of the Mechanism of Oxidation of Aldehydes by Oxygen in Aqueous Solution and of Isotopic Exchange of Substituted Benzaldehydes with H_2O^{18} . M. M. Aleksankin and I. P. Gragerov	2954	3167
The Activation Energy of the Reaction of Chain Growth During the Oxidation of Isotropy- benzene and 1,1-Diphenylethane. S. D. Kaz'min and R. V. Kucher.....	2958	3171
The Transesterification of Thiolphosphinites and Thiolphosphonates by Alcohols. K. A. Petrov, É. E. Nifant'ev, and R. G. Gol'tsova	2962	3174
The Synthesis of Some Organochlorosilanes. Z. V. Belyakova and S. A. Golubtsov	2966	3178
Reactions of Halometalalcoholates X. A New Method of Synthesizing Monohydroxy- triarylmethanes. I. I. Lapkin and M. I. Belanovich.....	2970	3182
Isomerization of Polymethylene Hydrocarbons by Means of Aluminum Chloride XXV. The Isomerization of Cyclopentylcycloheptane. M. B. Turova-Polyak, I. E. Sosnina, and T. P. Yudkina	2974	3187
Synthesis and Some Reactions of 1-Phenyl-1-Hydroxy-2-Methoxymethylcyclohexane. L. N. Yakhontov, D. M. Krasnokutskaya, and M. V. Rubtsov ...	2977	3190
Some Properties of Enol Acetates VIII. The Bromination of Enol Acetates of Cyclopenta- none and Cycloheptanone by Means of N-Bromosuccinimide. V. A. Barkhash, G. P. Smirnova, and I. V. Machinskaya	2983	3197
Bicyclic Systems Derived from 2,6-Lutidine V. Diquaternary Salts of α, ω -Bis[9-Methyl-3, 9-Diazabicyclo-(3,3,1)-Nonano-3]-Alkanes. E. S. Nikitskaya, V. S. Usovskaya, and M. V. Rubtsov	2988	3202
Unsaturated Hydrocarbons XIV. Synthesis of Polycyclic Hydrocarbons by the Dehydrocycli- zation of Acetylene Derivatives. I. L. Kotlyarevskii and A. S. Zanina.	2991	3206
The Chemistry of Unsaturated Ethers VI. The Condensation of Acetals with 1-Alkoxydienes. S. M. Makin and I. N. Rozhkov	2998	3214
Syntheses of the Ethyl Δ^1 -p-Menthen-8-YL, n-Butyl Δ^1 -p-Menthen-8-YL, p-Methylcyclo- hexyl Δ^1 -p-Menthen-8-YL, and p-Menthan-3-YL Δ^1 -p-Menthen-8-YL Acetals of Acetaldehyde. R. E. Keller and E. K. Prudnichenko.....	3004	3220
Synthesis and Investigation of Vinyl Ethers of Some Alkyl- and Aryl-Substituted Phenols. A. V. Kalabina, N. A. Tyukavkina, M. I. Bardamova, and A. S. Lavrova.....	3006	3222
Synthesis of Vinyl Ethers of o-, m-, and p-Aminophenols. M. F. Shostakovskii, G. G. Skvortsova, M. Ya. Samoilova, and Yu. M. Faershtein...	3010	3226

CONTENTS (continued)

	PAGE	RUSS. PAGE
Organosilicon Compounds with Hydrocarbon Bridges Between Silicon Atoms IV. The Pyrolysis of α, ω -Disilalkanes. A. D. Petrov, V. M. Vdovin, G. Golubva, and K. S. Pushchevaya.....	3014	3230
Fermentative Synthesis of Optically Active Peptides from Racemic Aminoacids. II. M. M. Botvinik, V. I. Ostoslavskaya, L. I. Ivanov, and G. K. Gorshenina	3019	3234
Synthesis of P-N Aminoacid (Peptide) Derivatives of Adenylic Acid and Investigation of their Properties. L. G. Andronova, Z. A. Shabarova, T. S. Ryabova, and M. A. Prokof'ev.....	3026	3243
Synthesis of 2,3-Quinuclidinedicarboxylic Acid. E. E. Mikhlina, M. V. Rubtsov, and V. Ya. Vorob'eva.....	3033	3251
Some Derivatives of 5-Nitro- and 5-Amino-3-Indazolecarboxylic Acid. N. V. Savit'skaya, E. S. Tarasevich, and M. N. Shchukina	3037	3255
Imidazole Series XI. Synthesis of (2-Imidazolylthio) Acetic Acids. P. M. Kochergin...	3039	3257
Imidazole Series XII. Synthesis of Esters and Hydrazides of (2-Imidazolylthio) Acetic Acids. P. M. Kochergin	3043	3262
Imidazole Series XIII. Reaction of Acetic Anhydride with (2-Imidazolylthio) Acetic Acids and Their Esters. P. M. Kochergin.....	3048	3267
Preparation of the Nitrile and Amide of Nicotinic Acid. E. S. Zhdanovich, I. B. Chekmareva, and N. A. Preobrazhenskii.....	3053	3272
2-Cyclopropyl- and 2-Propenyl-Furan and -Thiophene. Yu. K. Yur'ev and D. Ékkhardt	3055	3274
Furan Series XVIII. 2,5-Bis(N-Alkylazomethine)- and 2,5-Bis(N-Arylazomethine)-Furans. K. Yu. Novitskii, V. P. Volkov, L. P. Shaiderova, and Yu. K. Yur'ev	3058	3277
Derivatives of 7-Azaindole II. Synthesis of 1-Substituted Derivatives of 4-Methyl-7-Azaindoline when 2-Chloro-3-(β -Chloroethyl)-4-Methylpyridine Is Reacted with Secondary Amines. L. N. Yakhontov and M. V. Rubtsov	3062	3281
β -Amino Acids of the Thianaphthene Series. V. P. Mamaev and O. P. Shkurko ...	3068	3288
Cycloserine and Related Compounds XIV. 4-Amino-3-Pyrazolidone (Azacycloserine). N. K. Kochetkov, É. I. Budovskii, and Chang Chih-p'ing.....	3072	3292
Stereochemical Investigations on Levomycetin Derivatives (Chloroamphenicols) I. Hydrolysis of Nitroesters of Threo- and Erythro-1-(p-Nitrophenyl)-2-Acylamino-1,3-propanediols. M. P. Kerop'yan and A. S. Elina	3077	3298
Monosaccharides I. A New Synthesis of D-Quinovose and D-Fucose. N. K. Kochetkov, L. I. Kudryashov, A. I. Usov, and B. A. Dmitriev	3081	3303
Investigation of the Reaction of Benzene with Phenyl Derivatives of Elements of the Fourth Group of the Periodic System and the Determination of the Composition of Their Molecular Compounds by the Method of Labeled Atoms. L. M. Nazarova, E. N. Kharlamova, G. E. Aleksandrova, and É. B. El'tekova	3085	3308
The Action of Triisobutylaluminum on Cyclohexanone. L. I. Zakharkin, L. P. Sorokina, and I. M. Khorlina	3088	3311
Some Unsymmetrical Derivatives of Alkylphosphinic Acids. E. L. Geft'er.....	3093	3316
The Chemistry of Unsaturated Ethers VII. Addition of the Acetal of β -C ₁₄ -Aldehyde to 1-Ethoxy-2-Methyl-1,3-Butadiene. A New Synthesis of β -C ₁₀ -Aldehyde. S. M. Makin and I. N. Rozhkov	3096	3319
Configuration and Properties of Unsaturated Acids and Their Derivatives XIV. Properties of Esters of Cis- and Trans-Petroselinic Acids. A. K. Plisov and A. V. Bogatskii.	3100	3324
Synthesis and Certain Reactions of Nitriles of N,N-Di(2-Chloroethyl)Aminophenylalkanoic Acids. Yu. Degutis and D. Shukelene	3103	3326

CONTENTS (continued)

	PAGE	RUSS. PAGE
Study of the Mechanism of Isomerization of Naphthalenemonosulfonic Acids by the Tagged-Atom Method. N. N. Vorozhtsov jr., V. A. Koptug, and A. M. Komagorov	3106	3330
Steric Hindrance and Reactivity of Organic Compounds II. β -Naphthalenesulfonic Acid as a Catalyst for Isomerization of Compounds with Steric Hindrance. V. A. Koptug, T. N. Gerasimova, and N. N. Vorozhtsov jr.	3115	3341
Stereochemical Investigations XII. Tautomerism of the Condensation Product of (-)- α -Phenylethylamine and Acetoacetic Ester. V. M. Potapov, F. A. Trofimov, and A. P. Terent'ev	3118	3344
Investigation of the Hydrogen Bond in Cholinolytic Substances by Means of Infrared Absorption Spectra. II. S. G. Kuznetsov	3126	3353
Rate of Acetylation of Some Cholinolytic Substances Containing a Hydroxyl Group. S. G. Kuznetsov and E. V. Roginskaya	3132	3360
Molecular Association of Cholinolytic Substances. I. S. G. Kuznetsov and L. V. Fedorova	3137	3366
Molecular Association of Cholinolytic Substances. II. S. G. Kuznetsov and L. V. Fedorova	3139	3368
Reduction of Naphtholcarboxylic Acids VII. Indirect Electroreduction of 1,4- and 1,8-Naphtholcarboxylic and 1- and 2-Naphthoic Acids. N. M. Prizhiyalgovskaya, G. T. Mondodoev, and V. N. Belov	3145	3375
Synthesis of Di(Methylindenyl)Iron. E. B. Sokolova, M. P. Shebanova, and V. D. Sheludyakov	3149	3379
C-Acylation of Heterocyclic Keto Enols VI. Cyclization of Phenylhydrazones of 3-Acyl-4-Hydroxycoumarins. N. S. Vul'fson and R. B. Zhurin	3151	3381
Ratio of Isomeric Azoxy Compounds Formed by Oxidation of o,o'-Disubstituted Azo Compounds V. M. Dziomko and K. A. Dunaevskaia	3155	3385
2-Methyloxazo(5,4-g)-Benzthiazole and Dyes from It. S. G. Fridman and D. K. Golub'	3162	3394
Reactions of Aromatic Nitro Compounds XII. New Method of Preparing Alkyl Ethers of 2,4-Dinitrothiophenol. S. S. Gitis and Zh. P. Piskunova	3168	3400
Synthesis of Some New Azines. L. Ya. Malkes and L. V. Shubina	3170	3402
Reaction of Purine Derivatives with Phosphorous Esters. B. P. Lugovkin	3174	3406
Synthesis of Esters of α -Hydroxyphosphonobarbituric Acid. B. P. Lugovkin	3176	3408
Reaction of Hexamethyldisilazane with Aluminum and Titanium Halides Method of Synthesizing Trialkylhalosilanes. K. A. Andrianov, V. V. Astakhin, D. A. Kochkin, and I. V. Sukhanova	3178	3410
Reactions of Phosphines II. Reactions of Primary Aromatic Phosphines with Aldehydes and Ketones. K. A. Petrov, V. A. Parshina, and V. A. Gaidamak	3180	3411
2,4,5-Trichlorophenyl Esters of Methylthiophosphinic and Methylphosphinic Acids. K. A. Petrov, V. P. Evdakov, L. N. Sergeeva, and V. A. Ledovskikh	3183	3414
Reactions of Phosphines III. Reactions of Secondary Phosphines with Aldehydes and Ketones. K. A. Petrov and V. A. Parshina	3186	3417
Reactions of Phosphines IV. Properties of Methylolphosphonium Chlorides and Methylol-phosphines. K. A. Petrov and V. A. Parshina	3189	3421
Alkyl Esters of N-Dialkoxo- and N-Diaroxophosphinyliminocarboxylic Acids. G. I. Derkach, A. M. Lepesa, and A. V. Kirsanov	3192	3424
Bistriethylenetriamidophosphazo Derivatives of Dibasic Acids and Diethylenediamides of Bis-N-Diethylenediamidophosphinyliminocarboxylic Acids. L. D. Protsenko, G. I. Derkach, and A. V. Kirsanov	3200	3433

CONTENTS (continued)

	PAGE	RUSS. PAGE
Reactions of Hydroxymethylphosphinic Esters with Dimethylthiocarbamyl Chloride and Aryl Isothiocyanates. V. V. Alekseev and M. S. Malinovskii.....	3203	3437
Syntheses with Free Hydroxyl Radicals II. Reactions of Aliphatic Esters with Hydroxyl Radicals. G. A. Razuvaev and L. S. Boguslavskaya	3206	3440
Investigations in the Anthraquinone Series XXXIII. Reaction of Anthraquinonesulfonic Acids with Basic Dyes. V. V. Kozlov and Yu. A. Kolesnik	3213	3448
Chemical Investigation of Schizandra Chinensis I. Schizandrin and Related Compounds. N. K. Kochetkov, A. Ya. Khorlin, and O. S. Chizhov	3218	3454
Pyrrolizidine Alkaloids II. Stereospecific Synthesis of D,L-Isoretronecanol. N. K. Kochetkov, A. M. Likhoshesterov, and A. S. Lebedeva.....	3225	3461
Derivatives of 1-Azabicyclo-(3,2,1)-Octane Analogous to Quinine Alkaloids. A. K. Chizhov	3239	3469
LETTERS TO THE EDITOR		
New Synthesis of 5,6-Disubstituted Pyridines. N. P. Shusherina, R. Ya. Levina, and Khuan Khua-min'.....	3239	3477
Triterpenes from the Bark of Quercus Petraea Liebl. A. A. Ryabinin and V. F. Lopunova	3240	3478
Reaction of Dicyclopropyl Ketone with Alkylmagnesium Bromides and Synthesis of 1,1-Dicyclopropyl-1,3-Butadiene. I. A. D'yakonov, S. Kh. Begidov, and T. V. Domareva.....	3241	3479
Bromination and Acylation of Phenylcyclopropane. R. Ya. Levina and P. A. Gembitskii.....	3242	3480
Some New Derivatives of Cyclic β -Diketones. N. A. Domnin and N. S. Glebovskaya.....	3244	3481
DISCUSSION		
Comments on the Article of Breslow and Chipman "Synthesis of Cyclopropene Derivatives by D'Yakonov's Method." I. A. D'yakonov and M. I. Komendantov.....	3246	3483
Reply to E. F. Zhuravlev. I. L. Krupatkin.....	3248	3485
Obituary of Academician R. Lukes. K. Bláha and M. Ferles.....	3250	3487
ERRATA. Volume 31, Numbers 7-8, 1961	3252	

CONTENTS

	PAGE	RUSS. PAGE
Complexing Reactions of Antimony Pentachloride. I. Carboxylic Acids. M. I. Usanovich, A. K. Nurmakova and T. N. Sumarakova	3257	3493
Physicochemical Investigation of the System Acetic Acid-Piperidine. A. S. Naumova	3264	3501
The Magnetic Susceptibility of Binary Liquid Systems. O. E. Kashireninov, O. A. Osipov, M. A. Panina and V. N. Marchenko	3268	3504
Investigations in the Field of the Chemistry of Allene Compounds. IV. The Direction of Bromination and Hydrobromination of Unsymmetrical Allene Hydrocarbons. A. V. Fedorova and A. A. Petrov	3273	3510
Mass Spectra and the Structure Organic Compounds. VI. Mass Spectra of Alkenyl Vinyl-acetylenes. A. A. Polyakova and A. A. Petrov	3278	3515
Investigations in the Field of Conjugated Systems. CXLIV. Dipole Moments, Structure, and Reactivity of Some Enyne Hydrocarbons and Silicohydrocarbons. A. A. Petrov, K. S. Mingaleva, M. D. Stadnichuk, and I. A. Maretina	3283	3521
Investigations in the Field of Conjugated Systems. CXLIX. Synthesis and Properties of Homologs of Allylvinylacetylene. A. A. Petrov, Yu. I. Porfir'eva, K. S. Mingaleva, and N. I. Svetlova	3286	3525
Investigations in the Furan Series. XIX. Reaction of 2-Alkenylfuranes with α , β -Unsaturated Ketones. Yu. K. Yur'ev, N. S. Zefirov, and V. M. Gurevich	3292	3531
Chemistry of Selenophene. XXXIV. Reduction of the Ketones of the Selenophene Series. Yu. K. Yur'ev and N. K. Sadovaya	3296	3535
Synthesis of Heterocyclic Analogs of Stilbene. Yu. K. Yur'ev and D. Ékkhardt ...	3298	3536
Investigation in the Field of the Chemistry of Free Radicals of the Hydrazine Series. V. Synthesis of α , α -Diphenyl- β -2,6-Dinitrophenylhydrazyl and α , α -Diphenyl- β -2,4-Dinitrophenylhydrazyl and the Study of Their Chemical and Physical Properties. R. O. Matevosyan, M. A. Ikrina, and A. K. Chirkov	3301	3539
Amino Derivatives and Methacrylamides from Acetals of Xylitol and Xylitan. A. N. Anikeeva, T. I. Orlova, and S. N. Danilov	3306	3544
Reaction of Carbon Tetrachloride with Alkyl Esters of p-Chlorophenyl-, p-Isopropylphenyl-, and α -Naphthylphosphinous Acids. Gil'm Kamai, F. M. Kharrasova, R. B. Sultanova, and S. Yu. Tukhvatullina	3311	3550
Some Esters of Phenylthioarsinous Acids. Gil'm Kamai and N. A. Chadaeva	3315	3554
Studies of Glycol Ethers and Their Derivatives. XXXVI. Synthesis and Chemical Reactions of Methylene Glycol Ethers. Shamkhal Mamedov and M. A. Avanesyan ..	3317	3556
Studies of Glycol Ethers and Their Derivatives. XXXVII. Synthesis of Alkyl β -Chloroethyl and Alkyl β -Alkoxyethyl Ethers of Methylene Glycol. Shamkhal Mamedov and A. S. Rzaev	3321	3561
Studies of Glycol Ethers and Their Derivatives. XXXVIII. Synthesis of Alkoxy Derivatives of Glyceryl Methyl Ethers. Shamkhal Mamedov and M. A. Avanesyan..	3326	3566

CONTENTS (continued)

	PAGE	RUSS. PAGE
The Synthesis of Geometrical Isomers of 1,2,5-Trimethyl-4-Hydroxy-4-Piperidylmethyl-aryl- and 1,2,5-Trimethyl-4-Hydroxyl-4-Piperidyldiaryl Carbinols. B. V. Unkovskii, I. A. Mokhir, and S. G. Batrakov.....	3330	3571
The Synthesis of Geometrical Isomers of 1,2,5-Trimethyl-4-Aryl-4-Piperidylmethyl- and 1,2,5-Trimethyl-4-Aryl-4-Piperidylarylketones. B. V. Unkovskii and I. A. Mokhir	3336	3577
Derivatives of a Vinylene Homolog of Benzotrifluoride. L. M. Yagupol'skii and Yu. A. Fialkov	3343	3586
Phosphorylated Chlorovinylketones. V. The Mechanism of the Rearrangement of the Addition Products of Phosphorus Pentachloride and Esters of Enols to Form Phosphorylated Chloroketones. I. F. Lutsenko and M. Kirilov	3350	3594
Derivatives of Ethyleneimine. III. Diethyleneimides of Pyrimidylamidophosphoric Acids. A. A. Kropacheva and N. V. Sagonov	3357	3601
Organic Insectofungicides. LX. Interaction of Esters of Thio- and Dithiophosphoric Acids with Secondary Amines. N. N. Mel'nikov, B. A. Khaskin, and K. D. Shvetsova-Shilovskaya	3361	3605
Derivatives of 3-Aminophenol. II. O-Benzenesulfonyl and O,N-Di(Benzenesulfonyl) Derivatives of 3-Aminophenol and Its Homologs. I. V. Aleksandrov and Yu. S. Abradushkin	3366	3610
Rearrangements of Triazenes. II. Synthesis of Aromatic Orthoaminoazo Compounds that Do Not Correspond in Structure to the Components of the Initial Triazenes. V. M. Berezovskii and L. S. Tul'chinskaya	3371	3614
Synthesis of 2,6-Dimethyl-2-Cyano-5-(p-Methoxyphenyl)-Cyclohexanol-1. G. V. Kondrat'eva, L. F. Kudryavtseva, and S. I. Zav'yalov	3377	3621
Reaction of Dehydrochlorination of N- β -Chloroethylacetamide. S. S. Skorokhodov, S. G. Ershova, N. V. Mikhailova, and A. A. Vansheidt	3382	3626
On the Absorption Spectra of Dimerocyanines, Derivatives of Imidazolidinone (4). I. The Absorption Spectra in the Visible Region. M. V. Deichmeister, N. S. Spasokukotskii, Yu. Sh. Moshkovskii, and L. D. Zhilina.....	3387	3631
The Cyanoethylation of Aniline with β -Substituted Propionitriles. P. F. Butskus and R. Yu. Stonite	3393	3638
p-Anisidine as an Agent for Decyanoethylation. P. F. Butskus and N. V. Ragutene	3395	3639
Acetals of Simple Ethers of Hydrobenzoin. B. I. Mikhant'ev and L. P. Pavlov ...	3399	3643
Investigations in the Field of Synthesis and Conversions of Unsaturated Organogermanium Compounds. IX. Synthesis and Conversions of Primary and Secondary Monohydric γ -Germanoacetylenic Alcohols. I. A. Shikhiev, I. A. Aslanov, and B. G. Yusufov.....	3403	3647
Investigations in the Field of Synthesis and Conversions of Unsaturated Organosilicon Compounds. X. Synthesis of Branched γ -Organosilicon Acetylenic Alcohols and Glycols. I. A. Shikhiev, M. I. Aliev, Sh. V. Gareva, and B. M. Guseinzade	3405	3649
Phosphorus-Containing Monomers. I. Full Esters of Vinylphosphonic Acid with Various Functional Groups. M. A. Sokolovskii, P. M. Zavlin, E. L. Gefter, and P. A. Moshkin.....	3408	3652
Synthesis and Certain Conversions of 2-Furyl-2-Thienylmethane. Ya. L. Gol'dfarb and Ya. L. Danyushevskii	3410	3654
Synthesis of Certain Organometallic Compounds by Means of Trialkylaluminums. L. I. Zakharkin and O. Yu. Okhlobystin	3417	3662

CONTENTS (continued)

	PAGE	RUSS. PAGE
Investigations in the Anthraquinone Series. XXXIV. Peculiarities of the Chlorination of Anthraquinone- β -Sulfonic Acid to β -Chloroanthraquinone. V. V. Kozlov and A. A. Davydov	3420	3665
Role of Complex-Forming Additives in the Synthesis of Phthalocyanines. II. Influence of Compounds of Phosphoric Acid, Chromium Oxide, and Tungsten Trioxides on the Formation of Fe Phthalocyanines. A. P. Rudenko and N. P. Dobrosel'skaya.	3423	3667
Investigation in the Field of Alkane Sulfonic Acids. XXV. Halogenated Alkanesulfon-p-Phenetidides. A. G. Kostova	3427	3671
The Structure of the Condensation Products of 4,4'-Dihydroxyldiphenyl Sulfone with Formaldehyde. Ya. P. Berkman and L. M. Shuter	3431	3675
Triphenylphosphazaroaroyls, N-Diphenylphosphinyl Phenyl Aryl Ketimines, and N-Diarylephosphinylaroylamides. G. I. Derkach, E. S. Gubnitskaya, and A. V. Kirsanov	3434	3679
Phenyldichlorophosphazaroaroyls. I. N. Zhmurova and A. V. Kirsanov	3440	3685
Investigations in the Alloxazine and Isoalloxazine Series. V. Catalysts for the Reaction of Secondary Aromatic Orthoaminoazo Compounds with Trihydroxypyrimidines. V. M. Berezovskii, L. S. Tul'chinskaya, T. A. Eremenko, E. P. Rodionova, and M. A. Barskaya	3444	3689
β -Dicarbonyl Compounds. XII. Performance of Nucleophilic Reactions of Dihydroresorcinol and Its Derivatives in Solvents of Low Polarity. S. I. Zav'yalov, G. V. Kondrat'eva, and L. F. Kudryavtseva	3449	3695
Investigation of Pyrazoles. XXII. The Cyanoethylation of Pyrazoles. I. I. Grandberg and A. N. Kost	3454	3700
Aromatic Fluorine Derivatives. VIII. Reaction of Chloronitro Compounds with Fluorides of the Alkali Metals. N. N. Vorozhtsov, Jr., and G. G. Yakobson	3459	3705
An Investigation of the Structure of Some Derivatives of 2-Mercaptobenzothiazole by the Dipole Moment Method. E. N. Gur'yanova, I. I. Eitingon, M. S. Fel'dshtein, I. G. Chernomorskaya, and B. A. Dogadkin	3462	3709
The Synthesis of Chelants in a Series of Azoxy Compounds. III. The Synthesis of (6"-Hydroxy-3"-methylphenylazoxy)-benzene-(2'-azo-1)-2-naphthol. V. M. Dziomko and K. A. Dunaevskaya	3466	3712
Steroids. XV. The Synthesis of Cortisone Acetate From Pregnandiol-3 α , 17 α -Dione-11,20. N. N. Suvorov, L. V. Sokolova, Z. A. Yaroslavtseva, Zh. D. Ovchinnikov, V. S. Murasheva, and F. Ya. Leibel'man	3469	3715
The Synthesis of Derivatives of Thiazolidone which have Biological Interest. XVI. The Influence of Substituents in the Thiazolidone Ring on the Ultra-Violet Absorption Spectra. N. M. Turkevich and Yu. M. Pashkevich	3472	3718
Orientation on Substitution in the Aromatic Series. IX. On the Equilibrium Between the Isomers of Dichlorobenzene. Yu. G. Erykalov and A. A. Spryskov	3475	3721
Carbon Suboxide and Some of Its Reactions. XI. Reaction of Carbon Suboxide with 2-Aminothiazole and Its Derivatives. L. B. Dashkevich	3477	3723
Synthesis of Substituted 1,4-Diphenylthiosemicarbazide Derivatives. P. S. Pel'kis and M. Z. Peretyazhko	3480	3726
Thiosulfonic Acids. VII. Aryl Esters of Benzenethiosulfonic Acid and Its Derivatives. B. G. Boldyrev and L. M. Khovalko	3483	3729
Synthesis and Properties of Trialkyl(triaryl)-(p-bromophenoxy)silanes. II Triamyl-, Trihexyl- and Triphenyl-(p-bromophenoxy)silanes. G. V. Golodnikov and G. S. Afanas'eva	3489	3735

CONTENTS (continued)

	PAGE	RUSS. PAGE
Catalytic Transformations of Tetraalkylsilanes. IV. Catalytic Dehydrogenation of Trimethyl-ethylsilane. G. V. Golodnikov and G. N. Koroleva.....	3492	3738
Triphenoxyphosphazoyls. I. N. Zhmurova, I. Yu. Voitsekhovskaya, and A. V. Kirsanov.....	3495	3741
Trianilidophosphazoyls and N-Dianilidophosphinyl-N'-Arylarenamidines. G. I. Derkach, E. S. Gubnitskaya, and A. V. Kirsanov	3500	3746
Organoboron Compounds. LXXXVI. Alkylmercapto (Diethylamino) Boranes. B. M. Mikailov and V. A. Dorskhov	3504	3750
Synthesis of Diphenyl-p-Allylphenylstibine and Chemical Properties of Tertiary Stibines of the Type (C ₆ H ₅) ₂ SbC ₆ H ₄ X, where X is a Nucleus Substituent. F. Yu. Yusunov and Z. M. Manulkin.....	3510	3757
Reaction Mechanism Studies on the Disproportionation of Hexaethyldistannane. G. A. Razuvaev, N. S. Vyazankin, and O. A. Shchepetkova	3515	3762
The Chemical Synthesis of 2-Deoxy-α-D-Glucose 6-Phosphate. A. L. Remizov	3521	3769
Studies in the Allo- and Isoalloxazine Series. VI. Studies of the Synthesis of Quinoxaline, a Potential Precursor of Alloxazines. V. M. Berezovskii and A. M. Yurkevich.	3526	3775
The Preparation of Trans-Isolimonene. I. S. Kozhina and A. S. Danilova.....	3531	3781
p-Di-(2)Chloroethyl)-Amino-dl -Phenylalanine ("Sarcocysins") and Its Derivatives. VII. Halogen Substitution in the Ring of Sarcocysin Derivatives. E. N. Shkodinskaya, E. M. Kurdyukova, and A. Ya. Berlin	3537	3788
The Synthesis and Properties of Some Derivatives of β-Phenylalanine. II. Synthesis of β-(p-Dimethylaminophenyl)-D,L-Alanyl-D,L-Alanine and Its N-Oxide. B. L. Moldaver and Z. V. Pushkareva	3541	3793
Preparation of δ-N-Guanyl-Gramicidin S. V. M. Stepanov and A. B. Silaev.....	3546	3799
The Preparation of Phenyl Substituted Derivatives of Gramicidin S. V. M. Stepanov and A. B. Silaev	3550	3804
The Preparation of Derivatives of Gramicidin S which Contain Carboxyl Groups. V. M. Stepanov and A. B. Silaev.....	3556	3811
The Structure of the Alkaloid Renardine. II. A. V. Danilova, N. I. Koretskaya, and L. M. Utkin.....	3560	3815
Alloimperatorin (Prangenidine)-Component of the Resin From the Roots of Prangos pabuloria Lindl. G. A. Kuznetsova.....	3563	3818
Study of the Chemical Structure of the Antibiotic Albomycin. I. Isolation and Identification of the Pyrimidine Base. N. A. Poddubnaya, G. I. Lavrenova, E. P. Krysin, and L. G. Makevnina	3565	3820
Studies in the Allo- and Isoalloxazine Series. III. Synthesis of Thioriboflavin and Thio Analogs of Alloxazine. V. M. Berezovskii and L. M. Mel'nikova.....	3571	3827
Studies in the Allo- and Isoalloxazine Series. IV. New Synthesis of 2'-Desoxyriboflavin and Synthesis of Its 2-Thio Analog. V. M. Berezovskii and T. V. Eremenko	3575	3831
Syntheses Based on Sclareol. VI. Some New Physiologically Active Amino Derivatives of Sclareol. D. P. Popa and G. V. Lazur'evskii	3579	3835
LETTER TO THE EDITOR		
Peculiar Manifestation of the Ortho-Effect in the Thioindogenide Series. V. A. Izmail'skii and M. A. Mostoslavskii.....	3582	3839
DISCUSSION		
Concerning the Paper by Jolivet "Study of the Anhydride of 3,6-Endoxy-Δ ⁴ -Tetrahydrophthalic Acid". Yu. K. Yur'ev and N. S. Zefirov	3583	3840

CONTENTS

	PAGE	RUSS. PAGE
Some Important Tasks for Chemistry in the Light of Resolutions of the 22nd Congress of the CPSU.....	3585	I
Recollections of Academician V. E. Tishchenko. N. I. Nikitin	3589	3849
Study of the Alkaline Decomposition of Isopropylbenzene Hydroperoxide. I. Some Properties of the Hydrated Sodium Salt of Isopropylbenzene Hydroperoxide. V. A. Belyaev and M. S. Nemtsov	3594	3855
Study of the Alkaline Decomposition of Isopropylbenzene Hydroperoxide. II. Some Properties of the Anhydrous Sodium Salt of Isopropylbenzene Hydroperoxide. V. A. Belyaev and M. S. Nemtsov	3599	3861
Polarography of Diphenylcyclopropenone. S. I. Zhdanov and M. I. Polievktov ..	3607	3870
Polarography of Diethylaminoethylmercaptan. S. I. Zhdanov	3611	3874
Investigation of the Hydrolysis of Salts of Methyl Sulfuric and Ethyl Sulfuric Acids by the Isotope Method. I. P. Grazerov and A. M. Tarasenko	3615	3878
Reactions of Aliphatic Diazo Compounds with Unsaturated Compounds. XX. Investigation of the Reaction of Ethyl Diazoacetate with 1-Phenylpropyne in the Presence of Copper Sulfate. I. A. D'yakonov and M. I. Komendantov	3618	3881
Catalytic Synthesis of β -Arylamino Ketones. N. S. Kozlov and A. D. Nikolaev. Synthesis of Acetals of Vinylacetylenic Aldehydes. V. B. Mochalin and N. G. Ivanova	3629	3894
Synthesis of O-Aminoacyl Derivatives of Adenosine and a Study of Their Properties. E. Ya. Dreiman, V. A. Dmitrieva, S. G. Kamzolova, Z. A. Shabarova, and M. A. Prokof'ev	3632	3896
Research in the Field of Glycol Ethers and Their Derivatives. XXXIX. Synthesis of Aromatic γ -Chloroethers. Shamkhal Mamedov and D. N. Khydyrov....	3635	3899
2,5-Dimethoxy-2,5-dihydrofurfuryl Benzoates and Some of Their Reactions. N. K. Kochetkov, L. I. Kudryashov, N. V. Molodtsov, and E. D. Khomutova	3641	3905
The Mechanism of the Reaction of Cyanamide with Monobasic Fatty Acids. A. E. Kretov and A. P. Momsenko	3645	3909
Furanidinopyrazoles. I. K. Korobitsyna, Yu. K. Yur'ev, Yin Ch'én-lieh, A. F. Davydova, and N. N. Gaidamovich	3651	3916
Steric Hindrance in 4,4'-Diarylthiazolocyanine Molecules. E. D. Sych and A. I. Kiprianov	3656	3921
S-Derivatives of Thiourea. IV. Preparation of 2-Bromo-3-isothiuroniumpropylamine and Study of Some of Its Transformations. V. M. Fedoseev, V. N. Bochkarev, and A. B. Silaev	3661	3926
Syntheses of Secondary Amines of the Thiophene Series. B. P. Fedorov, G. I. Gorushkina, and Ya. L. Gol'dfarb	3664	3929
	3668	3933

(continued)

CONTENTS (continued)

	PAGE	RUSS. PAGE
Stereochemistry of Cyclic Compounds. XLIII. Stereochemistry of the Diene Condensation of Trans-1-vinyl-6-acetoxy-9-methyl- Δ^1 -octahydronaphthalene with Maleic Anhydride and Some Transformations of Dicarboxylic Acids of the Dodecahydrophenanthrene Series.		
I. A. Gurvich, I. M. Mil'shtein, and V. F. Kucherov.....	3674	3939
The Preparation of Allene. Ya. M. Slobodin and A. P. Khitrov.....	3680	3945
Organic Insectofungicides. LXI. Synthesis of Some Mixed Ethylmercaptoethyl Thiophosphates.		
Ya. A. Mandel'baum, N. N. Mel'nikov, Z. M. Bakanova, and P. G. Zaks	3682	3947
Organic Insectofungicides. LXII. Synthesis of Some New Derivatives of Phosphonoacetic Acid.		
N. N. Mel'nikov, Ya. A. Mandel'baum, V. I. Lomakina, and V. S. Livshits	3684	3949
Organic Insectofungicides. LXIII. Synthesis of Some Phosphinic Acid Derivatives.		
N. N. Mel'nikov, Ya. A. Mandel'baum, and Z. M. Bakanova.....	3687	3953
Cyanine Dyes Containing Fluorine. X. Cyanine Dyes Containing Fluorine in the Polymethyne Chain. L. M. Yagupol'skii and B. E. Gruz	3690	3955
2-Trifluoromethylnaphthalene and Its Derivatives. II. L. M. Yagupol'skii, Yu. A. Fialkov, and P. A. Yufa.....	3696	3962
Investigations of Benzimidazole Derivatives. VIII. Amination of Some 1-Substituted Benzimidazoles. A. M. Simonov and A. F. Pozharskii.....	3703	3970
β -Dicarbonyl Compounds. XIV. Synthesis, Conversions, and Biological Activity of Derivatives of 2-(3'-Methyl-2'-butenyl)-dihydroresorcinol. V. I. Gunar, S. I. Zav'yalov, G. N. Pershin, S. N. Milovanova, N. S. Bogdanova, O. O. Makeeva, and A. I. Krotov	3707	3975
Anthraquinone Derivatives. I. Synthesis of Chloro Derivatives of 2-Anthraquinonecarboxylic Acid. N. S. Dokunikhin, Z. Z. Moiseeva, and S. N. Burenko.....	3716	3985
β -Dicarbonyl Compounds. XV. Chemical Properties of 1,3-Dichlorocyclohexadiene-1,3 and Its Derivatives. S. I. Zav'yalov and G. V. Kondrat'eva.....	3719	3987
Aryltrifluoromonohydrides of Phosphorus. Zh. M. Ivanova and A. V. Kirsanov	3723	3991
Imidazole Derivatives. XXVI. A. V. El'tsov and L. S. Éfros	3726	3994
Chemical Activity and Steric Accessibility. I. Reaction of Arylmagnesium Halides with Chloro Ethers. I. I. Lapkin and R. G. Mukhina	3732	4001
New Methods of Preparing Esters and Ester-Acid Chlorides of Selenious Acid.		
N. N. Yarovenko, M. A. Raksha, and G. B. Gazieva.....	3737	4006
Reaction of Difluoromethyl Difluoroacetate with Potassium Fluoride. N. N. Yarovenko and M. A. Raksha	3742	4011
Synthesis of Some Amino-1,3,4-oxadiazoles. A. P. Grekov and V. I. Grigor'eva...	3743	4012
Action of Carbon Disulfide on Sodium Diethylphosphite. B. A. Arbuzov, É. N. Dianova, and R. R. Shagidullin.....	3746	4015
Organoboron Compounds. LXXXVII. Action of Diborane on Aryl Derivatives of Boron.		
B. M. Mikhailov and V. A. Dorokhov	3751	4020
Steric Hindrance and Reactivity of Organic Compounds. III. Isomerization of 1,8-Dihalonaphthalenes in the Presence of Anhydrous β -Naphthalenesulfonic Acid. V. A. Koptug V. G. Shubin, and V. A. Plakhov.....	3754	4023
Polyethylene Glycols and Some of Their Derivatives. A. N. Pudovik and T. M. Moshkina.....	3759	4028
Addition of Aromatic Derivatives to Vinylmethyldichlorosilane. K. A. Andrianov, A. A. Zhdanov, and V. A. Odinets	3764	4033
Hydrolysis of Cyclic Polymethylsilazanes. K. A. Andrianov and G. Ya. Rumba....	3768	4038
Preparation of Hemi-Chloronitroso Hydrocarbons. A. E. Kretov, E. A. Abrazhanova, and S. I. Zlotchenko	3772	4043

CONTENTS (continued)

	PAGE	RUSS. PAGE
Synthesis and Investigation of Aminodesoxy Sugars. II. N-Aryl Derivatives of 6-Amino-6-desoxydiacetone-D-galactose. V. I. Veksler	3774	4045
Synthesis of Diacid Chlorides of Alkylselenophosphinic Acids. S. Z. Ivin and I. D. Shelakova	3780	4052
New Method of Synthesizing Phosphinic and Thiophosphinic Esters. XXXVI. Synthesis of Phosphinic Acid Derivatives with Cyclic Radicals in the Ester Groups. A. N. Pudovik and G. P. Krupnov	3782	4053
LETTERS TO THE EDITOR		
Some Reactions of Heteroorganic Compounds of Group IV Catalyzed by Aluminum Chloride. G. A. Razuvaev, N. S. Vyazankin, O. S. D'yachkovskaya, I. G. Kiseleva, and Yu. I. Dergunov	3784	4056
Photoreaction of Carbon Tetrachloride with Dioxane. G. A. Razuvaev, N. S. Vasileiskaya, V. T. Bychkov, and A. E. Makar'eva	3785	4057
Conversion of Tricyclohexenones to Tricyclohexenylamines. M. N. Tilichenko, N. S. Barbulescu, and V. I. Vusotskii	3787	4058
Some Rules in the Mass Spectra of Monoolefins. A. A. Polyakova and R. A. Khmel'nitskii	3789	4059
Acrylyl- and Methacrylylpyrrolidones. F. P. Sidel'kovskaya, M. G. Zelenskaya, and M. F. Shostakovskii	3791	4060
DISCUSSION		
Nature of Si-O Bonds and Interatomic Distances in Silicates. A. N. Lazarev	3792	4061
Preparation of Monosaccharide Derivatives in the Furanose Form. A. A. Abramzon and M. V. Ostrovskii	3794	4062
Author Index, Volume 31, 1961.	3799	
Tables of Contents, Volume 31, 1961.	3821	

